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Saint Joseph's College adheres to the following policy with regard to the recruitment and admission of students, awarding financial or other assistance, provision and management of housing facilities, counseling of students, employment of individuals, the conduct of College sponsored programs or events, and the overall administration of the College:

No person shall on the basis of race, color, sex, age, handicap, national or ethnic origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination, under any program or activity sponsored by the college.

The College reserves the right to change certain requirements for degrees, prerequisites, majors, fees, scheduling, etc. A student who has discontinued college studies for a full semester or more is regarded as re-entering the College when resuming studies and will be held to the requirements current at re-entrance.

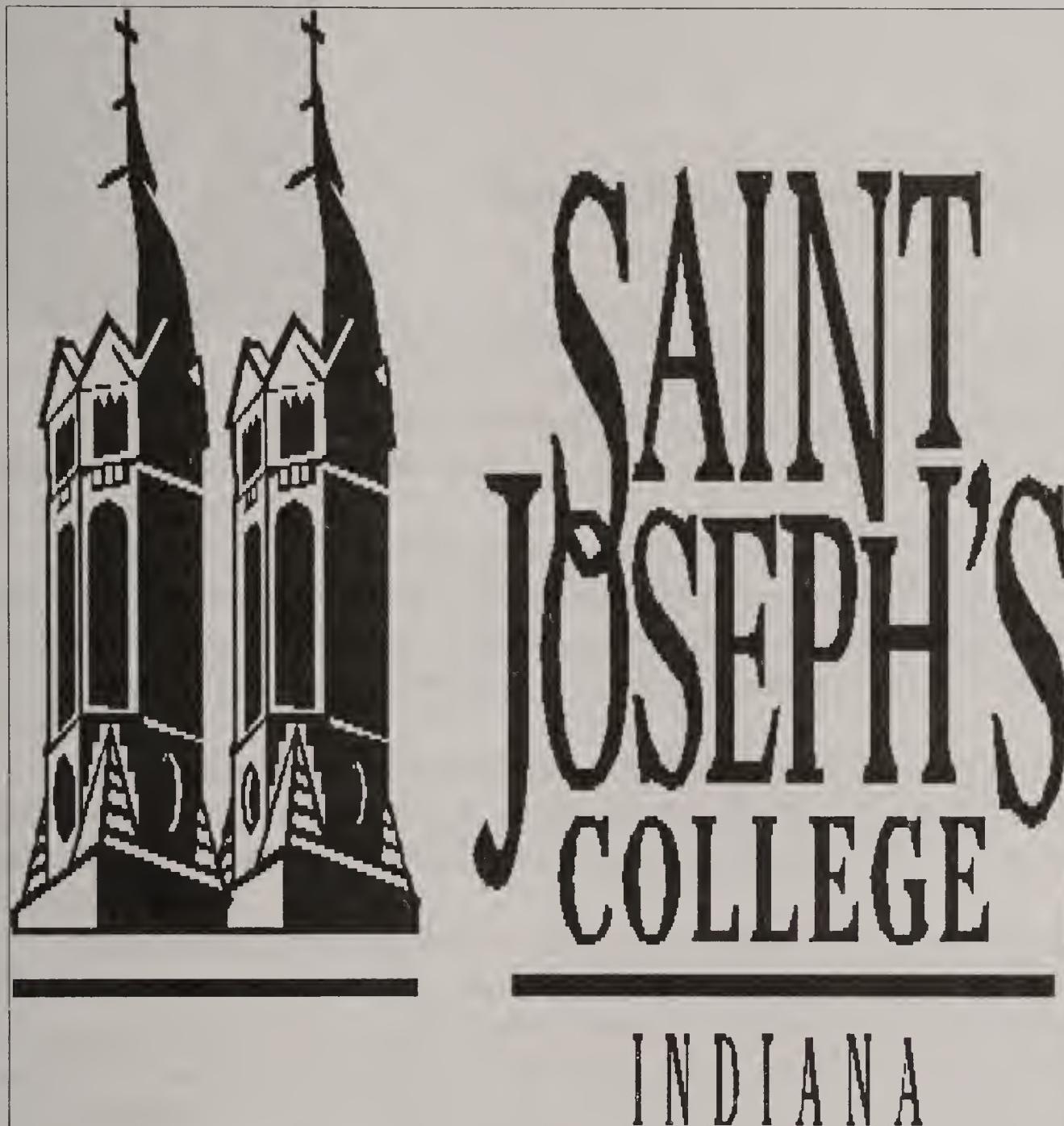
Accredited by:

National Council for Accreditation of Teacher Education.
North Central Association of Colleges and Schools.
State of Indiana Professional Standards Board for the preparation of elementary and secondary teachers.

With Membership in:

American Catholic Philosophical Association
American Council on Education
Association of American Colleges
Association of American Colleges for Teacher Education
Associated Colleges of Indiana
Association of General and Liberal Studies
Catholic Library Association
College Entrance Examination Board
Council of Independent Colleges
Independent Colleges and Universities of Indiana
Indiana Academy of Social Sciences
Indiana Association of Colleges for Teacher Education
Indiana Conference of Higher Education
Indiana Consortium for International Programs
National Catholic Education Association
National Commission on Accreditation

1998-99 Catalog of Academic Programs, Course Descriptions and Academic Policies



A liberal arts college for men and women sponsored by the Missionaries of the Precious Blood,
granting Associate, Baccalaureate and Master Degrees.

SAINT JOSEPH'S COLLEGE BULLETIN, RENSSELAER, INDIANA 47978

**Volume 107, Number 1
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Internet address: <http://www.saintjoe.edu>

Saint Joseph's College is on Chicago time (CST, CDT) all year round.



Welcome to Saint Joseph's College!

The book that you now have in your hand could change your life. A decision to pursue an education at Saint Joseph's College gives you the opportunity to join the family of 12,000 Saint Joseph's College Puma alumni across the country. I invite you to explore the possibilities for all your dreams at Saint Joe's.

Saint Joseph's College has served students for over a century. This student-centered campus and curriculum is designed to challenge men and women in all human endeavors. We take pride in our Catholic heritage, our strong humanities-based liberal arts Core Curriculum, the successful careers of our graduates, and our competitive athletic programs.

Our unique blend of a liberal arts education with a strong career focus will prepare you not only for your first job experience following college, but will prepare you for the life changes, career shifts and growth opportunities that you will face throughout your life.

This catalog prints a profile of *who we are*, *what we teach*, *how we educate* the whole person, *what opportunities* we are able to present to you and a *full profile* of the most important facts about Saint Joseph's College. I invite you to browse our pages, look closely at our academic programs, review our policies, and enjoy this overview and tour of Saint Joseph's.

If you have any questions, feel free to contact one of our faculty, staff or admissions counselors. I would be happy to speak with you about why I chose Saint Joseph's College -- call me anytime!

A handwritten signature in black ink, appearing to read "Albert J. Shannon".

Albert J. Shannon, Ph.D.
President

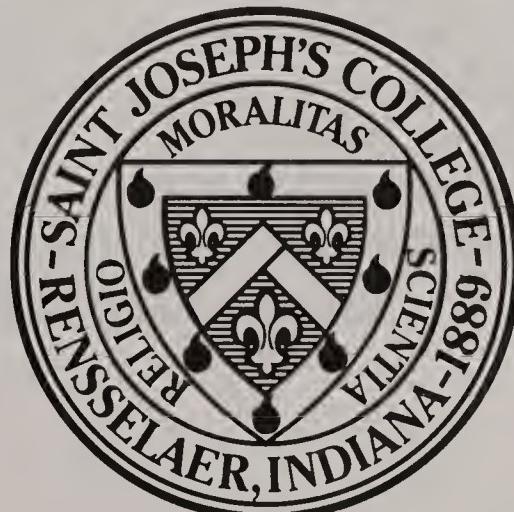


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**SAINT JOSEPH'S COLLEGE
ACADEMIC CALENDAR 1998-99**

FALL SEMESTER (TERM 981)

Aug 10 Mon	Deadline for financial arrangements with College Bank
Aug 20 Thu	Freshman orientation
Aug 21 Fri	Freshman orientation and enrollment in ballroom
Aug 23 Sun	Upperclassmen enrollment/registration--P.M. in ballroom
Aug 24 Mon	Classes begin 8:00 A.M.
Aug 28 Fri	Last day to make course changes (add/drop period)
Sep 7 Mon	Last day to register independent study projects for term 981 in the ballroom
Sep 8 Tue	LABOR DAY - No classes
Oct 8 Thur	All clubs must be registered with either the Vice President for Academic Affairs or Student Affairs
Oct 9 Fri	End of mid-term period
Oct 12 Mon	No classes
Oct 13 Tue	Classes resume at 8:00 A.M.
Oct 28 Wed	Mid-term grades due 10:00 A.M. in Registrar's Office
Nov 9 Mon	Last day for declaration of pass/not pass option for eligible courses
Nov 13 Fri	Last day for course withdrawals
Nov 20 Fri	Registration for term 982 opens in the ballroom
Nov 30 Mon	Registration for term 982 closes
Dec 14 Mon	Thanksgiving recess begins after the last class
Dec 17 Thu	Classes resume at 8:00 A.M.
Dec 21 Mon	Exam week begins
Dec 28 Mon	Exam week ends. Last day of term 981.
	Grades due 10:00 A.M. in Registrar's Office
	Final grade reports mailed to student's permanent (home) address by this date

WINTER SEMESTER (TERM 982)

Dec 10 Thur	Deadline for financial arrangements with College Bank
Jan 10 Sun	New students enroll & register. Late registration for returning students who did not register in November. Registration held in ballroom.
Jan 11 Mon	Classes begin at 8:00 A.M.
Jan 15 Fri	Limit for changes in course schedules (add/drop period)
Jan 21 Thu	Last day to register for independent study projects for term 982
	Deadline for removal of "I" grades & petition for grade changes for term 981
Mar 5 Fri	End of mid-term period
	Spring break begins after the last class
Mar 9 Tue	Mid-term grades due 10:00 A.M. in Registrar's office
Mar 15 Mon	Classes resume at 8:00 A.M.

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Mar 24 Wed	Last day for declaration of pass/not pass option for eligible courses.
Mar 29 Mon	Last day for course withdrawal.
Apr 1 Thu	Registration for term 983 & 991 opens in the ballroom
Apr 2 Fri	Registration for term 983 closes
Apr 5 Mon	Registration for term 991 closes
Apr 6 Tue	Good Friday - no classes
May 3 Mon	Easter Monday - no classes
May 6 Thu	Classes resume at 8:00 A.M.
May 7 Fri	Exam week begins
May 9 Sun	Exam week ends. Last day of term 982
May 11 Tue	Senior grades due 8:00 A.M. in Registrar's Office
May 14 Fri	Commencement
	Grades of all other students due 10:00 A.M. in the Registrar's Office
	Final grade reports mailed to the student's permanent (home) address by this date.

SPRING SESSION (TERM 983)

May 17 Mon	Enrollment & registration Registrar's Office
May 18 Tue	Classes begin (5 week session & 8 week session)
May 21 Fri	Final day to enroll & register for term 983
May 27 Thu	Final day to make course changes (add/drop period)
May 31 Mon	Final day for course withdrawals (5 week session)
Jun 10 Thu	Memorial Day - no classes
Jun 18 Fri	Deadline for removal of "I" grades & petition for grade changes for term 982
Jun 22 Tue	Final day for course withdrawals (8 week session)
Jun 25 Fri	Last day of spring 5 week session (term 983)
Jul 2 Fri	Grades due 10:00 A.M. in Registrar's Office (5 week)
Jul 9 Fri	Final grades for term 983 will be mailed to student's permanent (home) address by this date (5 week session)
Jul 13 Tue	Independence Day Observance - no classes
Jul 16 Fri	Last day of spring 8 week session (term 983)
Jul 23 Fri	Grades due 10:00 A.M. in Registrar's Office (8 weeks)
Aug 13 Fri	Final grades for term 983 will be mailed to student's permanent (home) address by this date (8 week session)
	Deadline for removal of "I" grades & petition for grade change for spring session (term 983) (5 week session)
	Deadline for removal of "I" grades & petition for grade change for spring session (term 983) (8 week session)

SUMMER SESSION (TERM 984)

Jun 20 Sun	Enrollment & registration for term 984
Jun 21 Mon	Summer session classes begin
Jun 23 Wed	Last day for course schedule changes (add/drop period)
Jul 5 Mon	Last day for course withdrawals for term 984
Jul 30 Fri	Last day of summer session (term 984)
	Summer commencement
Aug 2 Mon	Grades due at 10:00 A.M. at the Registrar's Office
Sept 3 Fri	Deadline for removal of "I" grades and petition for grade changes for summer session (term 984)

SUMMER CHURCH MUSIC AND LITURGY PROGRAM

Jun 29-30	Placement examinations (MA students)
Jun 30 Wed	Check in and registration for all students; advising of new students
Jul 1 Thur	Classes begin
Jul 5 Mon	Last day for course schedule changes (add/drop period)
Jul 8 Thur	Master paper and recital proposals due
Jul 15 Thur	Last day for course withdrawals
Jul 30 Fri	Last day of summer music program, summer commencement
Aug 2 Mon	Grades due at 10:00 A.M. at the Registrar's Office
Sept 3 Fri	Deadline for removal of "I" grades and petition for grade changes



SAINT JOSEPH'S COLLEGE
ACADEMIC CALENDAR 1999-2000

FALL SEMESTER (TERM 991)

Aug 10 Tue	Deadline for financial arrangements with College Bank
Aug 19 Thu	Freshman orientation
Aug 20 Fri	Freshman orientation and enrollment in ballroom
Aug 22 Sun	Upperclassmen enrollment/registration--P.M. in ballroom
Aug 23 Mon	Classes begin 8:00 A.M.
Aug 27 Fri	Last day to make course changes (add/drop period)
	Last day to register independent study projects for term 991 in the ballroom
Sep 6 Mon	LABOR DAY - No classes
Sep 8 Wed	All clubs must be registered with either the Vice President for Academic Affairs or Student Affairs
Oct 14 Thur	End of mid-term period
Oct 15 Fri	No classes
Oct 18 Mon	Classes resume at 8:00 A.M.
Oct 20 Wed	Mid-term grades due 10:00 A.M. in Registrar's Office
Nov 3 Wed	Last day for declaration of pass/not pass option for eligible courses
	Last day for course withdrawals
Nov 8 Mon	Registration for term 992 opens in the ballroom
Nov 12 Fri	Registration for term 992 closes
Nov 19 Fri	Thanksgiving recess begins after the last class
Nov 29 Mon	Classes resume at 8:00 A.M.
Dec 13 Mon	Exam week begins
Dec 16 Thu	Exam week ends. Last day of term 991.
Dec 20 Mon	Grades due 10:00 A.M. in Registrar's Office
Dec 27 Mon	Final grade reports mailed to student's permanent (home) address by this date

WINTER SEMESTER (TERM 992)

Dec 10 Fri	Deadline for financial arrangements with College Bank
Jan 9 Sun	New students enroll & register. Late registration for returning students who did not register in November. Registration held in ballroom.
Jan 10 Mon	Classes begin at 8:00 A.M.
Jan 14 Fri	Limit for changes in course schedules (add/drop period)
Jan 20 Thu	Last day to register for independent study projects for term 992
	Deadline for removal of "I" grades & petition for grade changes for term 991
Mar 3 Fri	End of mid-term period
	Spring break begins after the last class
Mar 7 Tue	Mid-term grades due 10:00 A.M. in Registrar's office
Mar 13 Mon	Classes resume at 8:00 A.M.

Mar 29 Wed	Last day for declaration of pass/not pass option for eligible courses.
	Last day for course withdrawal.
Apr 3 Mon	Registration for term 993 & 001 opens in the ballroom
Apr 6 Thu	Registration for term 993 closes
Apr 21 Fri	Registration for term 001 closes
Apr 24 Mon	Good Friday - no classes
Apr 25 Tue	Easter Monday - no classes
May 1 Mon	Classes resume at 8:00 A.M.
May 4 Thu	Exam week begins
May 5 Fri	Exam week ends. Last day of term 992
May 7 Sun	Senior grades due 8:00 A.M. in Registrar's Office
May 9 Tue	Commencement
May 12 Fri	Grades of all other students due 10:00 A.M. in the Registrar's Office
	Final grade reports mailed to the student's permanent (home) address by this date.

SPRING SESSION (TERM 993)

May 15 Mon	Enrollment & registration Registrar's Office
May 16 Tue	Classes begin (5 week session & 8 week session)
May 19 Fri	Final day to enroll & register for term 993
May 25 Thu	Final day to make course changes (add/drop period)
May 29 Mon	Final day for course withdrawals (5 week session)
Jun 8 Thu	Memorial Day - no classes
	Deadline for removal of "I" grades & petition for grade changes for term 992
Jun 16 Fri	Final day for course withdrawals (8 week session)
Jun 20 Tue	Last day of spring 5 week session (term 993)
Jun 23 Fri	Grades due 10:00 A.M. in Registrar's Office (5 week)
Jul 4 Tue	Final grades for term 993 will be mailed to student's permanent (home) address by this date (5 week session)
Jul 7 Fri	Independence Day Observance - no classes
Jul 11 Tue	Last day of spring 8 week session (term 993)
Jul 14 Fri	Grades due 10:00 A.M. in Registrar's Office (8 weeks)
Jul 21 Fri	Final grades for term 993 will be mailed to student's permanent (home) address by this date (8 week session)
Aug 11 Fri	Deadline for removal of "I" grades & petition for grade change for spring session (term 993) (5 week session)
	Deadline for removal of "I" grades & petition for grade change for spring session (term 993) (8 week session)

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SUMMER SESSION (TERM 994)

Jun 26 Mon	Enrollment & registration for term 994
Jun 27 Tue	Summer session classes begin
Jun 28 Wed	Last day for course schedule changes (add/drop period)
Jul 10 Mon	Last day for course withdrawals for term 994
Jul 28 Fri	Last day of summer session (term 994)
	Summer commencement
July 31 Mon	Grades due at 10:00 A.M. at the Registrar's Office
Sep 1 Fri	Deadline for removal of "I" grades and petition for grade changes for summer session (term 994)

SUMMER CHURCH MUSIC AND LITURGY PROGRAM

Jun 27-28	Placement examinations (MA Students)
Jun 28 Wed	Check in and registration for all students; advising of new students
Jun 29 Thur	Classes begin
Jul 3 Mon	Last day for course schedule changes (add/drop period)
Jul 8 Sat	Master paper and recital proposals due
Jul 13 Thur	Last day for course withdrawals
Jul 28 Fri	Last day of summer music program
Jul 31 Mon	Grades due at 10:00 A.M. at the Registrar's Office
Sep 1 Fri	Deadline for removal of "I" grades and petition for grade changes



MISSION STATEMENT

Saint Joseph's College (Indiana), a primarily undergraduate Catholic college, founded and sponsored by the Missionaries of the Precious Blood, pledges itself to a tradition of excellence and to a liberal education that is a united endeavor of intelligence and faith.

The College places exceptional emphasis on the education of the whole person. Its nationally known Core Curriculum complements up-to-date career preparation in the major. These academic programs enrich and are enriched by programs of spiritual development, residence education, and athletics.

The College serves a diverse student body composed of men and women of all races, creeds, and socio-economic backgrounds who can thrive academically, spiritually, and socially in this inclusive community.

To fulfill this Mission, the College pledges:

- 1) To form graduates who are competent professionals, capable of assuming leadership roles in the world, who will embody Gospel values in their personal lives and professional careers.
- 2) To conduct the Core Curriculum and, through it, all College programs within the conceptual framework and value commitments of "Christian Humanism" that stem from our Judeo-Christian and Graeo-Roman traditions and from our Vatican II inspiration.
- 3) To give witness in a special way, in all aspects of campus life, academically and existentially, to the Christian Humanist values of justice and love and its commitment to human solidarity and interdependence on national and global levels.
- 4) To add to the emphasis to educate the whole student--intellectually, physically, socially, and spiritually--an abiding concern to provide personalized and individualized care.
- 5) To steward all the resources of the College in truth, in loving justice, and with concern for the needs of the individual.
- 6) To extend personal and professional services as Church and public needs may require.

HISTORY OF THE COLLEGE

In 1867, the Catholic Diocese of Fort Wayne purchased a farm south of Rensselaer on which there were already two frame dwellings. These were converted into an orphanage that existed until 1887. One year later, The Most Reverend Joseph Dwenger, bishop of Fort Wayne, offered the vacant orphan home with part of the farm to Father Henry Drees, then Provincial of the Missionaries of the Precious Blood, with the stipulation that a college be founded there. In 1889, Saint Joseph's College was incorporated under the laws of the state of Indiana with the right to grant scholastic degrees. The college opened its doors on September 2, 1891.

The educational program in the early years was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching and for immediate entry into business. The new college passed

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its first major milestone June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little until 1925. At that time the College was converted into a minor seminary and for a period of seven years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1932, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and June 1938, its first four-year class was graduated.

In the next three decades, Saint Joseph's grew from a school of a few buildings to a contemporary college. The expansion was carefully designed to utilize the one hundred and thirty acre campus to serve the educational needs of Saint Joseph's students.

In 1951, in response to the need for a Catholic college in the Calumet region of northwest Indiana, the College began an extension program in East Chicago. This program developed to the point that in 1963 it was granted the status of a campus, known as Saint Joseph's College Calumet Campus, and is now a separate institution known as Calumet College of St. Joseph.

With an ever-present desire to improve its educational opportunities, Saint Joseph's had introduced campus and curriculum innovations which evidence its contemporary philosophy of education.

The campus Computer Center was begun in 1966 and offered students training and experience in both scientific and commercial data processing.

In 1968, the College ended its 79-year policy of admitting male students only on campus during the regular school year. The change to a coeducational institution was made to widen the range of students contributing to the College's intellectual atmosphere and to create an air of better social and academic involvement on campus. Saint Joseph's offers a wide spectrum of programs and courses for women students, who have responded by enrolling in all academic areas of the College.

The introduction of the Core Curriculum program in the fall of 1969 shifted the direction of general education courses from that of a series of separate courses to an interdisciplinary approach. This combined the previous courses into a program examining issues of history, philosophy, theology, literature and other subjects with a historical framework. The interrelated nature of all subject material in the Core Curriculum allows the student to have an overview which permits deeper understanding and clearer insights. Improving and expanding the quality of academic offerings is a continuing process at Saint Joseph's.

Course-offerings, physical facilities, faculty members and students are all part of a heritage which is constantly growing and improving as Saint Joseph's continues to face successfully the fast-paced challenges and rewards of contemporary American education.

In the summer of 1993, two years after Saint Joseph's college celebrated its Centennial, the presidency was assumed for the first time by a lay person, Dr. Albert Shannon. Father Charles Banet's term of 28 years represented the last and longest of the 12 priests who held that office over the school's 102 years. However, the association with the Missionaries of the Precious Blood, both in terms of the priests and brothers who are still serving Saint Joseph's College and the Society's involvement in the future of the College will continue.

SPECIAL FEATURES OF SAINT JOSEPH'S COLLEGE

A variety of distinctive features makes Saint Joseph's College (SJC) unique among liberal arts colleges. The extensive lawns, shady groves, and tree-lined drives make the campus very attractive, but it is the people and programs which give SJC its distinctive reputation.

The College Community

The College is a community of scholars in which students, faculty members, administrators and trustees actively participate in academic life on campus, plan for the future, and work together to achieve their common goals. Many students develop long-term friendships with their professors and other members of the College community through close camaraderie of its students, whose buoyancy and vigor promote the outgoing spirit which permeates the campus. Students at SJC show their strong empathy and warm feelings toward fellow human beings in numerous ways: they raise funds through sports marathons and other events, and contribute the proceeds to worthy causes; they participate in volunteer services concerned with mental health, social work, religious activities, and health care. A strong spirit of service carries over into their careers of medicine, dentistry, and other health-related fields--into teaching, religious vocations, and counseling--and into service-oriented projects to those who go into the business world.

Core Curriculum

The most outstanding academic program of SJC is its Core Curriculum, which integrates a broad range of general education subjects into a meaningful whole. In essence, Core is a study of the "human phenomenon," including its recorded history and current situation, the rise of civilization and development of different cultures, achievements and current problems, and reflections upon existence. One of the most innovative segments of the program is Intercultural Studies, which surveys the histories and cultures of Africa, India, China and Latin America. It includes a variety of lectures by invited scholars, exhibits of painting and sculpture representative of the cultures, and feature-length films which reflect these cultures. The other parts of Core also makes use of a variety of speakers, materials, and styles of presentation.

Reading/writing, and speaking/listening skills are strongly emphasized throughout the four years of Core in order to develop the thinking and communication skills which college graduates need to be effective members of society. Students with writing problems are referred to the Writing Clinic. Core segments are divided into discussion sections of about 15-20 students each. The small size of these sections gives each student an opportunity to ask questions and to participate in discussion. The discussion leaders strive to bring all members of the class into discussion.

Program of Church Music and Liturgy

A unique offering of SJC is the Rensselaer Program of Church Music and Liturgy, which has achieved an enviable record of recognition throughout the United States and

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beyond. Students specialize in composition, conducting, organ, voice, music education, or liturgy.

The Church Music-Liturgy Program is SJC's only area of both undergraduate and graduate degree work. The graduate sequence, leading to a master's degree, is highly acclaimed for its practical, worship-oriented approach and is specially designed for mature students.

The graduate faculty includes recognized authorities in church music and liturgy. Witness to the authenticity and quality of the program is the fact that graduates occupy responsible national and diocesan positions from New York to the state of Washington, from Louisiana to Manitoba, Canada. Monsignor James Conroy, writing in Our Sunday Visitor, expressed it well when he boasted of his Alma Mater in these words: "If liturgical music is to flourish in the United States, there is no doubt that Saint Joseph's music program will be listed as one of the contributing causes."

The College Library

In addition to the usual books and audiovisual collections one finds in college libraries, the Robinson Memorial Library has strong English literature, Catholic, and reference collections as well as excellent resources in the areas of non-Western cultures such as Africa, Asia and India. In addition, the reference staff has online access to many national databases covering a vast array of disciplines and material formats. Students and faculty access the library's book and audiovisual collection through a computer catalog. Supplementary to the library's many printed indexes is a CD-ROM general periodical index.

The library is a depository for a selected number of U.S. Government Documents which now number 139,448 items. These documents supplement the main collection of 161,538 volumes of books and bound periodicals and 32,132 audiovisual items.

The library also maintains a Curriculum Library of textbooks and other reading materials used in elementary and secondary schools. Education students use this collection to prepare for their courses and practice teaching.

As a member of INCOLSA, a statewide library cooperative of 734 libraries of different types, the Robinson Memorial Library has ready access to these collections and supplies interlibrary loan material to its faculty and students upon request. Through its membership in INCOLSA, the library belongs to OCLC, an international library database. With its OCLC terminals, the library can locate and borrow materials from over 7,118 libraries. Membership in the Private Academic Library Network of Indiana (PALNI) provides direct access to materials in 24 private Indiana colleges.

Academic Computer Center

The Saint Joseph's College computer operations encompass three labs for student use. The first lab, located on the second floor of the Administrative Computer Center, constitutes a programming lab with 8 Sun workstations, 4-486 SX, 33mhz personal computers, 3-200 MMX Windows 95 machines, and 4-200 MMX Linux machines. This lab is used primarily by the upper-level programming courses which includes math computing applications, Microsoft Windows, and access to the Internet. The second lab, which is also used as a classroom, is located in the Arts and Science building. This room contains 30-486 SX, 33mhz personal computers all with SVGA color monitors and a

networked laser printer. The third lab is located in our the Banet Core Education Center. It houses 30 - 75mhz Pentium computers all running Microsoft Windows and Unix. This lab is primarily a classroom as most of the courses will meet in this room at some time during the school year. All lab computers are fully networked to reach not only all campus servers but also the Internet.

A large selection of applications are available to the campus network users. Electronic mail is used extensively between students, faculty and staff. With almost every computer on campus connected via the network, communications between students, faculty and administration operate very smoothly. The network applications include:

Word Processing: MS-Word and Ann Arbor Software - Norton Textra

Business: LOTUS 1-2-3, Microsoft EXCEL and Windows, MS-Project, TurboCASE, MS-Works, MS-Powerpoint, MacProject, MS-Project, TurboCASE, MS-Works, HyperCard, Paradox, Informix

Math and Statistical Packages: MATLAB, Mathematica, Derive, SAS, Minitab

Programming Languages: Turbo Pascal, C, C++, Assembly languages, Perl, tcl, Lisp (Scheme) and Postscript. Plus many more applications that are designed specifically for departments or courses.

All the machines on campus communicate with each other through a campus-wide Ethernet network. The SJC network has a backbone of fiber optics which connects all the buildings. Each building is then cabled with either coax (thinnet) or Unshielded Twisted Pair (UTP) to the desktop. As a result of the campus-wide communication, network printers are made available to all students both from lab machines and from machines connected to the network from residence halls.

Saint Joseph's College offers its students a fast connection to the world-wide Internet, where we have been a directly-connected site since 1988. The Internet, which is undergoing explosive growth, allows instantaneous communications amongst millions of people, as well as access to a growing number of scientific, academic, and commercial databases in a wide range of disciplines. We are proud of our status as a long-time member of the Internet community, and offer extensive help to users who wish to avail themselves of its power.

The computer center houses four PC-network servers running Banyan Vines as the network operating system. These servers act as printer servers, file and application servers and as mail routers for electronic mail both on campus and out on the Internet. The Vines operating system will also allow any user access to the UNIX machines on campus. Any machine on the network can access the Library on-line system to search the campus library holdings. A user can log into the Sun workstations to run UNIX applications, or work on programming. The computer center also houses 8 SUN workstations that act as servers for the UNIX network. These servers hold our WWW homepages and act as our Internet Domain servers.

Saint Joseph's College has strived to be near the leading edge of computer networking on campus. All nineteen buildings on campus are currently live on the campus network. Over 600 rooms in all the residence halls are currently cabled to allow students to connect to the campus network directly from their rooms.

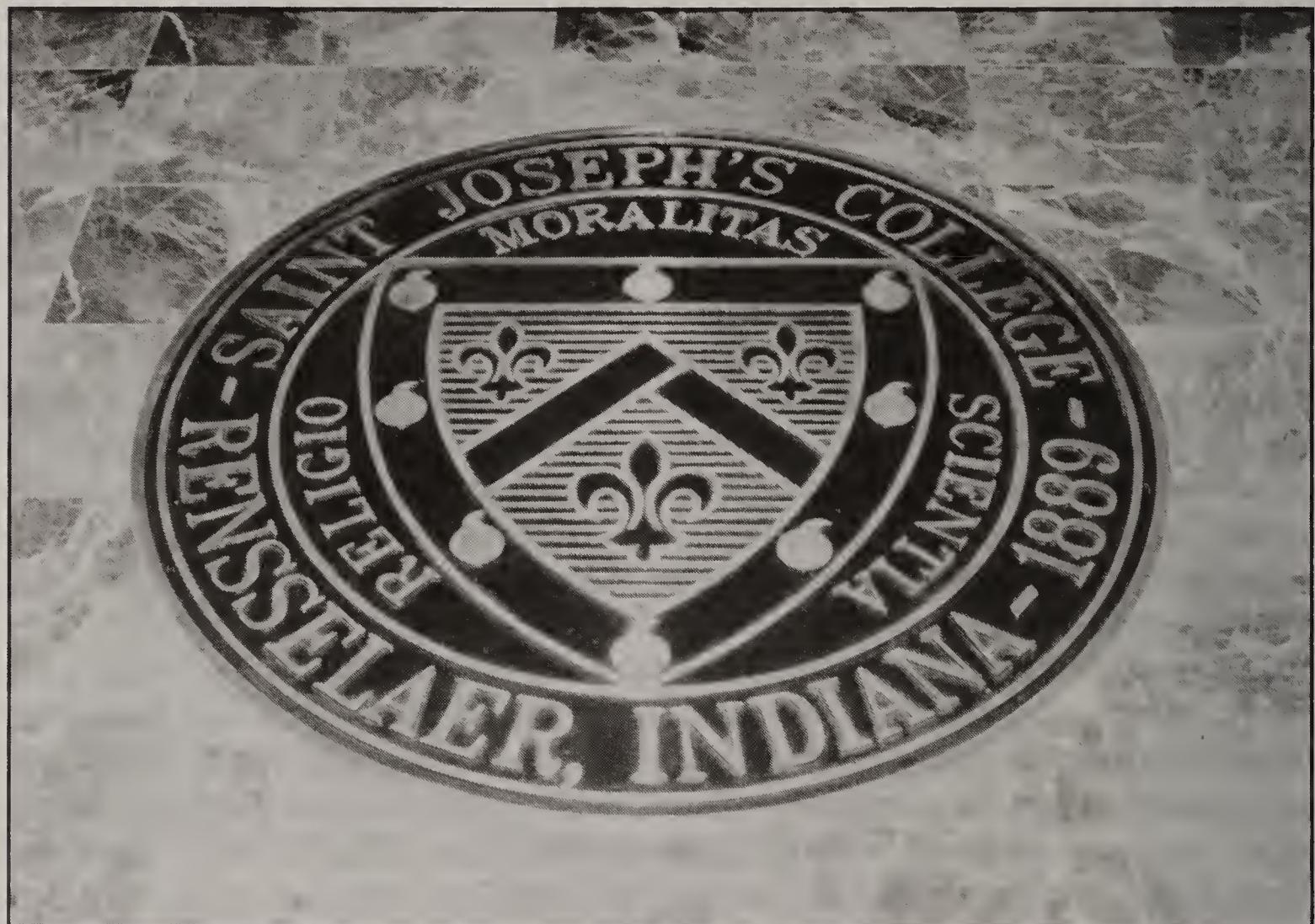
16 Special Features

Visiting Scholars Program

SJC is a community of scholars which effectively interacts with scholars at the national and international levels. Through the generosity and auspices of the Lilly Endowment, Woodrow Wilson Foundation, the Consortium for International Studies and Programs, the Indiana Consortium for International Programs, the State Department, and other sources, leaders in foreign affairs, religious matters, social action, science and business come to our campus and give lectures, participate in Core, and take part in social activities.

Study Abroad

Through special contractual arrangements, SJC makes several foreign sites available to its students to study for a semester or a year in England, France, the Netherlands, Germany, Austria, and Central America. These foreign campuses are actually extension campuses of SJC, so these arrangements can be made with a minimum of paperwork.



ADMISSION TO THE COLLEGE

All correspondence relating to admission should be addressed to the Director of Admissions, Saint Joseph's College, P.O. Box 890, Rensselaer, Indiana 47978. Application for admission should be filed as early as possible and all credentials should be in the hands of the College at least three weeks before the opening of the school term. Application forms will be sent upon request. All credentials submitted as part of the admission procedure become the property of the College.

Campus Visits

Prospective students are strongly encouraged to visit the College. Student-guided tours are available Monday through Friday at 9:00 A.M. and again at 1:30 P.M. Between Labor Day and Memorial Day tours are available on Saturdays at 9:30 A.M. Other times are by appointment only. Admitted students are offered overnight visits on Sunday and Wednesday evenings during the academic year. Visits can be scheduled by calling the Office of Admissions at 1-800-447-8781 one week in advance.

General Requirements

Admission to the College will be determined on the basis of the information contained in the credential file. It is understood that these minimum requirements do not necessarily guarantee an applicant admittance. The College reserves the right to select those applicants best qualified to succeed at SJC. Therefore, a decision, in some cases, may be deferred until later in the admissions period.

All applicants shall comply with the following requirements:

1. Submit the completed SJC Application for Admission.
2. Send the \$25 non-refundable application fee with the Application for Admission.
3. Request official transcripts of credit from all high schools and colleges previously attended, be mailed directly from the schools to the Office of Admissions.

Admission to Freshman Standing

Candidates for freshman standing will be selected from applicants who present the following academic credentials:

1. Certification of graduation from an approved high school; or proof of equivalency.
2. Minimum of fifteen units, with a C (2.0 on 4.0 scale) average -- ten of which must be from the following academic fields: English, foreign language, social sciences, mathematics, and natural sciences. It is not necessary that all of these fields be represented in the ten units. The term unit expresses a measure of academic credit, representing a subject carried through no fewer than thirty-two weeks with five class meetings a week or the equivalent.
3. Every applicant is required to take either the Scholastic Aptitude Test I (SAT I) of the College Entrance Examination Board or the American College Testing Examination (ACT) and have the scores sent to SJC. Students wishing to take these tests should procure application forms from their secondary schools. Saint Joseph's College SAT I code is 1697 and our ACT code is 1240.
4. If it is determined that a deficiency in academic preparation exists, the student may be required to participate in the Freshman Academic Support Program (FASP).

18 Admission to the College

This program, under the direction of Counseling Services, will consist of counseling, course load limits, and special projects or courses designed to remove the deficiency.

5. CLEP scores and Advanced Placement (AP) test scores will be evaluated by the Vice President for Academic Affairs.

Admission of Special Students

Students who wish to pursue particular studies without being candidates for a degree or for teacher certification may be admitted as special students. Work done by special students will not be counted toward a degree or teacher certification until all entrance requirements have been fulfilled.

Early Admission

Exceptionally well-qualified students who have not graduated from high school, but who have completed at least their junior year, may be admitted to freshman standing. Their eligibility for admission will be determined on the basis of high school courses and grades, objective tests and the recommendation of the high school principal or counselor. A letter from the principal stating that a high school diploma will be awarded upon completion of a stated number of semester credits must be received by the Director of Admissions before a final decision will be made.

Transfer Policies

SJC welcomes transfer students from other accredited institutions. Students wishing to transfer must be in good standing at their former institution, that is, must be eligible to continue at the former institution. The following guidelines are in effect and any exceptions must be made by the Vice President for Academic Affairs.

1. Students may transfer up to 60 semester credits from an accredited two year institution, 70 semester credits with an Associate Degree, and up to 90 semester credits from an accredited four year institution.
2. No more than 12 credits via correspondence courses will be accepted.
3. Only official transcripts will be evaluated by the Registrar.
4. CLEP scores and Advanced Placement test scores will be evaluated for transfer credit.
5. Credits earned more than 15 years prior to admission will be evaluated for transfer credit only after the student completes 30 semester credits at SJC.
6. Credits earned from non-accredited institutions will normally not be accepted.
7. Quarter credits are evaluated on a 3 to 2 ratio at SJC.
8. Credit in which students receive a D or F will normally not be transferred.
9. If transfer students are found to have concealed previous college attendance or credit, they are subject to immediate dismissal.
10. Students enrolled at SJC may take course credit elsewhere and have it transferred back to SJC with prior approval. Only grades of C- or higher are acceptable and transfer grades are not computed in a student's GPA.

Admission of Veterans & Other Non-Traditional Students

The College welcomes applications from veterans and other non-traditional students and will accept a general education development certificate (GED) in place of a high school diploma. Such students should submit evidence of accomplishment from military or work experience to supplement the GED transcript or the high school transcript, and normally are not required to take the SAT or ACT.

SJC is a member of SOC (Servicemen's Opportunity College) and participates in the ConAP (Concurrent Admissions Program). Further information may be obtained from the Director of Admissions.

Admission of International Students

An international student seeking admission to SJC must complete the Application for Admission and submit the \$35 non-refundable application fee. The applicant must demonstrate a score of 550 or above on the Test of English as a Foreign Language (TOEFL) or provide positive and conclusive evidence of the ability to speak and write the English language. Saint Joseph's College TOEFL institutional code number is 1697. Official transcripts from high school and other universities or colleges attended are required and must be submitted in English translation.

The international student is required to have adequate health and accident insurance coverage. The applicant must present certification of financial resources available to cover all costs at SJC. All term expenses must be paid in full prior to registering for classes. It is the responsibility of the applicant to have proper immigration and travel papers completed and submitted to the proper U.S. government officials and College officials.



20 Degrees Offered

DEGREES OFFERED

Saint Joseph's College is authorized to offer the following academic degrees:

- A.A. Associate of Arts
- A.S. Associate of Science
- B.A. Bachelor of Arts
- B.S. Bachelor of Science
- B.S.N. Bachelor of Science in Nursing
- M.A. Master of Arts

Associate Degrees are offered with the following concentrations: A.S. in Biology/Chemistry, Business-Computer Science, Business-Information Management, Early Childhood, Physical Therapist Assistant; A.A. in Church Music and Humanities.

A Master of Arts degree is offered in Music with a concentration in Church Music and Liturgy.

The following majors are offered:

- Accounting
- Biology
- Chemistry
- Comm. & Theater Arts
- Computer Science
- Criminal Justice
- Economics
- Elementary Education
- English
- English/Cr. Writing
- Finance
- History
- Human Services
- Management
- Marketing
- Mass Communication
- Mathematics
- Religion /Philosophy
- Music
- Nursing
- Philosophy
- Physical Education
- Political Science
- Psychology
- Sociology

The following group-majors are offered:

- B.S. Accounting-Finance
- B.S. Acct-Info Systems
- B.S. Biology-Chemistry
- B.S. Economics-Finance
- B.S. Environmental Science
- B.S. Finance-Info Systems
- B.A. International Business
- B.S. International Studies
- B.A. Mgt-Mkt-Info Systems
- B.S. Math-Computer Science
- B.S. Math-Physics
- B.S. Medical Technology
- B.S. Music Business
- B.S. Pre-Engineering

The following minors are offered:

Accounting	Finance	Music
Art	French	Philosophy
Athletic Training	Geology	Physical Education
Biology	German	Physics
Chemistry	History	Political Science
Communication	Human Services	Psychology
Computer Science	Journalism	Religion
Criminal Justice	Latin	Secondary Education
Economics	Management	Sociology
English	Marketing	Spanish
Entrepreneurship	Mass Communication	Theatre Arts
Environmental Science	Mathematics	

PRE-PROFESSIONAL PROGRAMS

SJC provides baccalaureate degree programs which lead to further work in specialized professional areas:

- 1) *Pre-medical, pre-dental, pre-veterinary* (See Biology Department).
- 2) *Pre-engineering* (see listings after Physics).

Five-year Engineering programs are available in Aeronautical, Chemical, Civil, Electrical, Industrial, Mechanical, and Metallurgical Engineering. After three years at SJC and two to three semesters at an accredited engineering college, students may qualify for a B.S. degree from SJC. After their fifth year, students may qualify for a Bachelor degree in Engineering from one of these colleges.

3) Pre-law curriculum

The Association of American Law Schools explicitly states that there is no definite, preferred major in a pre-law program, but stress the need for broad, liberal arts education. The Core Curriculum, which stresses wide reading, group discussion, and writing, forms an excellent base for the study of law. No major is necessarily better for the pre-law student than others. Therefore, the pre-law program is not under the direct charge of any single department, but a pre-law advisor is available for consultation. Take courses which require considerable writing; precise, accurate written expression is vital in the legal profession.

Regardless of one's major, courses in the social sciences-economics, history, political science, psychology, and sociology-should be included within the college program. One year of accounting will prove useful in law study.

Freshman pre-law students enroll in Core 1 and three of the following, depending on tentative major: accounting, American government, American history, economics, psychology, sociology, English, or a foreign language.

22 Graduation Requirements

GRADUATION REQUIREMENTS

Semester Credits and Cumulative Index

- ✓ A minimum of 120 semester credits and a cumulative index of 2.0 are required for the Bachelor's degree. The last 30 semester credits must be taken in residence.
- ✓ A cumulative index of 2.0 is required in the major, the minor, and Core in order to receive a Baccalaureate degree.
- ✓ A minimum of 124 credits and cumulative index of 2.50 are required of students in the College's Teacher Education Program.
- ✓ A minimum of 60 semester credits and a cumulative index of 2.00 are required for the Associate degree. The last 15 credits must be taken in residence.

Bachelor Degree

The Bachelor of Arts Degree (B.A.) and the Bachelor of Science Degree (B.S.) at SJC reflect an integrated curriculum composed of the college Core curriculum, a major program of study, a minor program of study and elective courses. Both degrees are committed to general education and career preparation with the Bachelor of Arts grounded in the Liberal Arts and the Bachelor of Science grounded in mathematics and quantitative analysis. The degrees are defined by the College and refined by the departmental requirements.

Associate Degree

Thirty semester credits of the 60 semester credits required for the Associate Degree must be completed at SJC and the last 15 semester credits must be taken in residence. Students possessing a Bachelor's degree must complete a minimum of 18 semester credits at SJC and fulfill all the degree requirements in order to receive an Associate Degree. For the A.A. degree in the Humanities, the student must complete all Core courses (45 credits) plus 15 credits from the fields of Communication & Theatre Arts, English, Foreign Language, Music, Philosophy, and Religion. The requirements for other associate degrees are listed under the relevant departments.

Core Curriculum

The 45 credits (Cores 1-10) are required of *all* students at the College, no matter what their major. Only students in two or three-year programs are exempt from specified parts of the Core Curriculum.

Major, Minor, Group Major, Double Major, and Second Bachelor Degree

In order to graduate with a B.A. or B.S. degree a student must complete the Core curriculum, a major and a minor, or a group major. A major consists of a minimum of 36 semester credits. A minor normally consists of 18 semester credits. A group major normally consists of 54 semester credits from more than one department. A minimum of 12 semester credits in the major must be completed at Saint Joseph's College.

Students who fulfill the requirements of two majors may graduate with a double major. Students who complete a B.A. program and a B.S. program will receive two diplomas.

Students already holding a Bachelor's degree may qualify for a second Bachelor's degree by completing a minimum of 24 semester credits in a major at Saint Joseph's College and fulfilling all the departmental requirements for the major.

Designer Major

Students with Junior status who have completed at least 30 semester credits at SJC with a minimum GPA of 3.4 may propose an individualized major subject to the following:

1. The minimum credits for a designer major is 54.
2. The requirements of an established major must be met.
3. The student must draft a proposal indicating specific courses and why the designer major fits career or personal goals.
4. The student must receive written approval from all departments where courses in the major are taken.
5. The student must secure written approval from the Vice President of Academic Affairs.

Designer Minor

Any students who has completed at least 30 semester credits at SJC with a minimum GPA of 2.0 may propose an individualized minor subject to the following:

1. The minimum credits for a designer minor is 18.
2. The courses selected for the designer minor must be from at least two academic disciplines and from no more than three academic disciplines.
3. The student must draft a proposal indicating specific courses and why the designer minor fits career or personal goals.
4. The student must receive written approval from all departments where courses in the minor are taken.
5. The student must secure written approval from the Vice President of Academic Affairs.

Degree Candidacy

Students are considered to be degree candidates if:

- They have six semester credits or less remaining to be fulfilled.
- They have registered for SJC's Spring Session.
- They meet the cumulative index requirements.

Degree candidates may participate in the regular commencement ceremony. Any other student who does not meet the criteria must receive permission from the Vice President of Academic Affairs in order to participate in the commencement exercise.

Off-Campus Degrees

Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering or medicine may secure the degree as follows: in addition to the normal graduation requirements candidates will be required to show successful completion of the first year's work in the professional school in which they have enrolled.

24 Graduation Requirements

Students transferring to a professional school and planning to graduate after the fourth year may graduate with honors if the cumulative index for work at SJC and at the professional school meets the required standard.

Students majoring in medical technology complete three years of on-campus courses and a twelve-month hospital education program.



TUITION AND FEES

Tuition for one semester (full time-12 to 18 credits)	\$ 6735.00
Per credit up to 11 credits	\$ 440.00
Tuition for dependents of same family attending full-time simultaneously	\$6,235.00
Tuition for sons or daughters of graduates	\$6,235.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Access to Health Center Facilities at posted fees.
3. Subscription to the College newspaper.
4. Admission to all student activities.
5. Admission to athletic events.

Room and Board

Room and Board for one semester	\$2450.00
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This entitles the student to semi-private room and to three meals a day, six days a week, Sunday brunch and dinner, except during scheduled vacation periods. Resident students must take meals in the College dining center unless excused with a valid medical excuse confirmed by the College physician. Students requiring special diets for medical reasons must consult with the College Physician.

Private Room & Board for one semester	\$2950.00
Room and Registration Deposit (Applicable to room charge, Payable by April 1, not refundable)	\$ 100.00

Course and Course Related Fees

Area students taking one course only / cost per credit	\$220.00
Audit fee / cost per credit	\$ 50.00
BSN students 1 to 6 credits / cost per credit	\$220.00
7 to 11 credits /cost per credit.	\$440.00
12 to 18 credits / semester cost	\$6,735.00
Technology Fee / cost per credit	\$2.00
Credit by examination / cost per credit	\$ 50.00
Education professional laboratory experience fee.	\$ 26.00
Internship fee / Student Teaching	\$125.00
Laboratory fee	\$ 26.00
Art, basic athletic training, biology, chemistry (except 55), geology, journalism, music 28, nursing 42, physical education, physics, psychology	
Music lesson	\$120.00
Recording fee / fee per credit	\$ 30.00
RN students; St. Elizabeth / cost per credit	\$220.00
Techniques courses (music)	\$ 65.00
Tuition per credit above 18 credits per semester	\$440.00

26 Tuition and Fees

Deposits and One Time Fees

Admissions deposit	\$200.00
Application fee - paid at initial entrance	\$ 25.00
Damage deposit - paid by all resident students*	\$100.00
Room and Registration Deposit for returning student	\$100.00
Graduation fee - paid at senior year	\$ 80.00

* Refunded one month after graduation or withdrawal, minus any charges for damages.

Service Fees

Add/Drop (Course changes occurring after the third day of each semester)	\$ 20.00
Car registration	\$ 10.00
Late Registration:	
Continuing Student not pre-registered	\$ 25.00
First day of each semester	\$ 50.00
Second day of each semester.....	\$100.00
Third day of each semester.....	\$.150.00
Past the third day	\$200.00
Student Association fee**	\$ 60.00
Student identification card	\$ 5.00
Transcript of credits	\$ 5.00

** A fee paid each semester by students enrolled in 12 or more credits.

Financial Policies

Upon acceptance by the Admissions Office, each prospective student is required to make a \$200.00 non-refundable deposit. Upon enrollment, the \$200.00 is deducted from semester expenses. In addition, all new resident students pay a \$100.00 room and damage deposit (refundable when the student graduates or withdraws if there are no room damage charges). All charges are to be paid by August 10th for the first semester and by December 10 for the second semester. Each month a 1-1/2 % service charge will be levied on all unpaid balances. The service charge is computed by a "PERIODIC RATE" of 1-1/2% per month which is an annual percentage rate of 18% applied to the previous balance.

A student will not be allowed to register for any subsequent terms if there is an unpaid balance on the student's account. Degrees, grade reports, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to SJC including, if any, all collection fees, attorney's fees, and court costs.

If final payment is by personal check at least two weeks must be allowed for clearance of the check.

Remittance should be made payable to SJC by bank draft, personal check, or postal money order and mailed to SJC, Office of Business Affairs, Box 889, Rensselaer, Indiana 47978.

Refund Policy

- (1) Through the first calendar week of the semester 90%
- (2) Within the second calendar week of the semester 75%
- (3) Within the third calendar week of the semester 50%
- (4) Within the fourth calendar week of the semester 25%
- (5) After the fourth calendar week of the semester None

The above schedule applies to tuition, mandatory fees and room for students voluntarily withdrawing from the College. Board will be refunded on a per diem basis. Students attending their first semester at SJC and receiving federal student aid will receive a pro-rata refund of tuition, mandatory fees, room and board, less an administrative fee of \$100.00 up through the ninth week of the semester. Refunds are made as of the date the student officially notifies the Registrar's office of the withdrawal.

Payment Plans

SJC offers arrangements for those desiring to meet college costs via monthly payments. Those not selecting an advance payment plan option must pay each semester's net costs in full by August 10 for fall semester and December 10 for winter semester.

SJC Ten-Month Payment Plan. This Plan allows you to pay for college costs in 10 convenient monthly payments commencing June 1st. The cost of this plan is \$40.00. There are no other fees or interest charges. The plan is administered by Knight College Resources Groups and information concerning the plan will be sent to you in late spring. If you wish, you may call Knight College Resource Group directly Toll-Free (800) 225-6783 for information.

An Extended Repayment Plan is also offered through Knight College Resource Group. This plan of monthly loan repayment may help you cover a part of your SJC costs. Information on the plans will be sent to you or you may write: Knight College Resource Group, 855 Boylston Street, Boston, Mass. 02116.

FINANCIAL AID

The College adopts as its own the philosophy that the primary responsibility for financing a college education rests with the student's family. Financial aid from college and other sources is viewed only as supplementary to the efforts of the family. Students requesting financial aid are also expected to contribute toward their educational expenses, through summer or school term earnings or loans in any reasonable combination. The College is prepared to assist the student through academic scholarship, grants, loans and employment.

Application For Aid

All necessary financial aid application forms can be obtained from the Office of Admissions, or the Office of Student Financial Aid.

Scholastic Aptitude Test

All candidates for financial aid must take the Scholastic Aptitude Test of the College Entrance Examination Board or the ACT test (The American College Testing Program). Complete information can be obtained from high school counselors.

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Free Application For Federal Student Aid (FAFSA)

Students seeking financial aid are required to submit an institutional application to the College and the Free Application for Federal Student Aid (FAFSA). Saint Joseph's College (school code 001833) should be designated as one of the recipients on the FAFSA. For priority consideration the financial need analysis report must be received by the Financial Aid Office by May 1. The FAFSA form can be obtained from the high school counselor, or from the Saint Joseph's College Financial Aid Office.

Academic Scholarships and Grants

SJC annually offers scholarships and grants to worthy and needy students. The scholarships are awarded on the basis of academic achievement and promise, as determined by the student's high school record, in conjunction with SAT scores. Normally those students seeking academic scholarships range in the upper quarter of their class in rank and have SAT scores of 1000 or higher.

The amount of the grant award is based on the student's financial need. For this aid the FAFSA is required.

The first scholarship or grant is awarded for the freshman year. It is thereafter renewable each year the student spends at SJC until graduation, provided that in the previous semester at least a B average has been maintained and the need continues. If a student loses a scholarship it can be reinstated only by special action of the Committee on Student Financial Aid, which will normally expect at least a cumulative average of B.

Presidential, Honors, and Dean's Scholarships

The College provides scholarships of these types to students who are exceptionally qualified academically. These awards are granted independently of financial need, but can range in value based on academic qualifications. The scholarship is for the freshman year and is renewable for three years thereafter as long as the student maintains a 3.25 grade point average and full time enrollment status.

Minority Leadership Awards

Up to ten awards are made each year to minority high school graduates who have exhibited outstanding leadership qualities in high school. Eligibility for these awards is restricted to students who fit the federal government's definition of "minority": Black, Hispanic, Native American, Asian, or Eskimo. The student must maintain a 2.50 cumulative grade point average to retain the award after the freshman year.

Performance Scholarships

The College offers these scholarships to new students for participation in certain areas on campus. For the 1998-99 academic year, scholarships are available in Band, Cheerleading, Forensics, Color Guard, Dance, Athletic Training, Radio/TV, Choir, and Drama. Students are required to complete a separate application and must be recommended by the area advisor. The scholarship is renewable for four years with the advisor's recommendation. Advisors may establish grade point requirements for their area, which must be at minimum a 2.0 grade point average.

Endowed Scholarships

The following scholarships have been established by contributions to the Endowment Funds of the College for general or the specific purpose listed:

The James and Rosemary Bruskotter Scholarship.

The Edward J. Chapman, O.S.A., Scholarship. Restricted for students from the Archdiocese of Detroit.

The William Downard Scholarship. Awarded to a student majoring in history or political science.

The John L. Dunn Scholarship. Restricted for students from Ohio, specifically from the larger Toledo area when appropriate.

The William E. and Kathleen Herber Scholarship.

The Thomas J. Huhn Athletic Leadership Scholarship. Awarded on a competitive basis to talented and qualified student athletes from the greater Fort Wayne, Indiana area.

The Rev. Joseph A. Lenk Endowed Scholarship. Awarded on a competitive basis to a student from Saint Mary's of the Lake Parish, Culver, Indiana.

The James and Susan Lennane Scholarship. Restricted for minority students.

The Louisville Area Scholarship. Restricted for students from the greater Louisville area, specifically from the Archdiocese of Louisville, and Clark, Floyd, and Harrison counties in southern Indiana.

The Joseph McNamara Endowed Scholarship.

The Charles J. Robbins, C.P.P.S. Scholarship.

The Benno Scheidler Endowed Scholarship. Restricted to students from Indiana.

The Peter S. Shen Scholarship. Awarded to a student majoring in a natural science or related area.

The John W. Sweeterman Scholarship.

Named Scholarships

Over the years SJC has named several scholarships which are awarded each year in memory of persons who have made major contributions to the life and progress of the institution.

The Kenneth and Margaret Ahler Scholarship.

The John and Mary Ellen Benish Scholarship.

The John and Mary Jo Boler Scholarship.

The Robert and Genevieve Causland Scholarship.

The William and Jane Courtney Scholarship.

The Edward and Rosemary Cox Scholarship.

The John J. and Helen A. Fagan Scholarship.

The Raphael Gross, C.P.P.S. Scholarship named in honor of the 12th president of the College.

The John and June Guckien Scholarship.

The Cyril Knue, C.P.P.S., Scholarship named in honor of the 9th president of the College.

The Jacob and Theresa Kramer Scholarship.

The Ronald and Pauline Miniat Scholarship.

The Justin and Mary Oppenheim Scholarship.

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The William and Mary Putts Scholarship.
The Thomas F. and Mae Ritter Scholarship.
The G. Richard and Veva Schreiber Scholarship.
The Lloyd and Mildred Tait Scholarship.
The James Thorsen Scholarship, awarded preferably to a Puerto Rican student.
The Francis A. and Ann Wilhelm Scholarship.
The Phillip J. Wilhelm Scholarship.
The James and Joyce Zid Scholarship.

* C.P.P.S. are the initials for the Roman Catholic religious society that has operated and staffed Saint Joseph's College since its inception and stand for the Missionaries of the Most Precious Blood.

Federal Supplemental Educational Opportunity Grants

Supplemental Educational Opportunity Grants are available from the federal government through the College to a limited number of students with financial need who require these grants to attend college.

Eligible students who are accepted for enrollment or who are currently enrolled in good standing, may receive Supplemental Educational Opportunity Grants for each year of their higher education. Grants range from \$200 to \$4,000 a year. Applicants should follow the same procedure as outlined for academic scholarships.

Federal Work-Study Program

Students who need a job to help pay for college expenses are potentially eligible for employment by the College under federally supported Work-Study programs. Seventy-five percent of the money is furnished by the federal government and twenty-five percent by the College. The maximum students may work under this program is normally limited to 15 hours a week during the academic year.

Other Student Employment

In addition to the College Work-Study program there are limited number of other jobs. The student should bear in mind that employment should not detract from academic needs. The working time is normally limited to 15 hours a week.

On campus there are calls for clerical and laboratory assistants, but most openings for employment are for maintenance and dining hall positions. Application for campus employment should be filed after one is on campus and enrolled. Resident students may not engage in any business enterprises on campus.

Veteran's Assistance

Saint Joseph's College is officially approved as a school for veterans of military service and for eligible dependents of deceased or disabled veterans.

Vocational Rehabilitation

Under the provision of Public Law 565, the federal government and the state jointly provide funds for grants to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of these grants.

Indiana Higher Education Awards and Freedom of Choice Grants

These awards are made by the State of Indiana to residents who show financial need and are attending an Indiana college. Freedom of Choice Grants are awarded to students who receive a maximum Higher Education Award and still show need and plan to attend an eligible independent institution of higher education within the State of Indiana.

In order to qualify for both of these grants, a student must demonstrate financial need and must have been admitted to the College. A student must submit a FAFSA during the senior year in high school. The FAFSA must be submitted prior to March 1st. Unless a student has been informed, any amount given by the Financial Aid Office is only an estimate and is subject to change or confirmation by the State Student Assistance Commission of Indiana.

Federal Pell Grant Program

The federal government also operates a grant program for college students based solely on need. Applications may be made through the filing of the Free Application for Federal Student Aid.

Federal Perkins Loans

The College participates in the Perkins Student Loan Program. A student may borrow up to \$4500 for the first two years of college, and another \$4500 for the last two years. The repayment period and the interest do not begin until nine months after the student's studies are completed. The loans bear interest at the rate of five percent per year and repayment may, if necessary, extend over a period of years.

Federal Stafford Student Loans

Under this program a dependent student may borrow from a bank or other financial institution a maximum of \$2625 a year for the first year, \$3500 for the second year and \$5500 a year for students who have completed two years.

Athletic Grants

Athletic Grants are awarded to qualified athletes upon recommendation of the Department of Athletics.

STUDENT AFFAIRS

Admission to SJC bestows on the student a set of privileged rights which have a set of correlative duties. Each student is responsible for knowing, fostering and protecting these rights both individually and collectively. It is understood that the privileges of attending SJC may be withdrawn from anyone who does not abide by the conduct regulations designed to protect and facilitate the exercise of these rights. SJC accepts an obligation to provide advisory agencies to educate students in a responsible use of their rights and supervisory agencies to protect students from violation of the liberties prized by the College.

Upon entering the College community, each student is furnished with a Student Handbook (Puma Guide) in which the specific rules of student conduct are contained. These are official statements developed by appropriate faculty, administration and student committees. Students are to study them. Questions of meaning or interpretation should be addressed to college officials, especially the Vice President for Student Affairs. These policies apply to the student from the time of enrollment in the College.

Every effort is made to encourage the student toward self-government in accordance with the ideas of obedience, honesty, courtesy and charity. When, however, students manifest an inability or unwillingness to cooperate with the College in maintaining its regulations and policies, they subject themselves to disciplinary action. Matters of discipline are handled by the Vice President for Student Affairs with a review possibility by the College Review Board. The jurisdiction of the Vice President for Student Affairs includes but is not limited to cases of dishonesty, intoxication, immoral and improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the College may be community service, restitution, probation, suspension, dismissal, or other action it may deem appropriate.

In matters pertaining to social life, discipline, curriculum and scholarship, all students come under the counsel and supervision of the Vice President for Academic Affairs and the Vice President for Student Affairs, according to the respective jurisdiction of each office. Matters of health are the concern of the College Health Center. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

Student Association

All full-time students are members of the Association and are governed by its constitution and By-Laws. Its elected officers plus the four class presidents, the campus-organizational senator, and the elected hall senators comprise the Student Senate. This group combined with its committees provides a channel of communication among students on the one hand and with faculty members and administration on the other. This Student Senate is the acting authority for the Association in its normal campus functioning--legislating, nominating, appointing, and directing. The elected president of the Student Association serves as a member of the Board of Trustees of the College.

Student Union Board

This board is composed of students who volunteer their time to provide a comprehensive activities program at SJC. It is based on a committee structure and open to any interested student. Approximately 50 students are busy planning, promoting and coordinating special events such as coffee house type entertainment, dances, big screen films, comedians, travel programs to local and distant cities, quality films on campus cable TV station, fine arts performances, and novelty acts.

Counseling Services

Counseling Services at the College provide for the integration of personal and academic counseling. The objective of this program is to serve students continuously from orientation through graduation.

Typically the Counseling Services Staff assist students with academic and personal difficulties which impair maximum functioning.

Counseling Services provide information about personal adjustments, crisis intervention, and monitoring for students on academic probation. A study skills course covering time management, note taking, taking exams, and test anxiety is also available.

A peer tutoring service is monitored by Counseling Services. Tutors are recommended by faculty members and are available at no cost. Developmental reading assistance and diagnostic testing are also provided through Counseling Services.

Freshman Programs

Freshman Programs, under the direction of the Dean of Freshmen, focuses on the needs of the first-year college student. The concept for Freshman Programs is that the freshman year is the first step in helping students adjust to college life while becoming both socially and academically successful. The components of Freshman Programs include: coordination of academic advisors and advising materials, development of Freshman Seminar course curriculum and materials, development and delivery of fall orientation, and coordination of the Freshman Academic Support Program with the Counseling Services Office.

Academic Advisors: Students are assigned an academic advisor at the orientation session they attend prior to the beginning of classes. The advisor assists students in course selection for the first semester of the academic year and may also assist undecided students in determining an academic major. During registration, students are placed into the Freshman Seminar class that is taught by the student's assigned advisor to ensure ongoing communication between students and advisors.

Freshman Seminar: This course is designed for first-year students and focuses on academic planning, college adjustment, and success strategies. It also covers the educational philosophy, history and purposes of Saint Joseph's College. The course is team-taught by academic advisors and student leaders.

Freshman Academic Support Program (FASP): The FASP program is an opportunity for students who did not meet the standard academic admissions requirements to attend Saint Joseph's College. Students who are accepted into the FASP program sign a contract which binds the College and the FASP student to an arrangement designed to foster academic success. The College will provide services to the FASP student: personal advising, study skills development, tutorial assistance, and special courses when

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appropriate. The student is then expected to take advantage of these services, attend all classes, and to meet regularly with advisors and sometimes limit first semester registration to 12 credits. **The FASP Program is NOT a remedial program.** Students accepted in the FASP are not on academic probation and they are not restricted with regard to extracurricular activities. There are no additional fees to participate in the FASP program. This program is an investment in academic success and the only "payment" required is serious commitment and motivation by each student participating in the FASP program.

Career Center

The Career Center seeks to serve the needs of all Saint Joe students by providing quality service and commitment through effective programming, career and life planning, outreach activities, resources, and technology enabling students to plan, prepare for, and obtain meaningful lifelong careers in their chosen profession.

This office begins working with students the freshmen year by guiding them through the process of assessing their interests, values, and skills; exploring career opportunities and employment trends; and learning of the many valuable resources available in the Career Resource Library. Career Center staff continue working with sophomores and juniors by helping them secure internships, summer jobs, and volunteer opportunities related to their overall career goals. During the senior year, students interview with organizations that recruit on campus; attend the annual on-campus CareerFest job fair; participate in job fairs throughout Chicago, Indianapolis, Detroit, and Cleveland; learn how to write effective resumes and job searching correspondence; network with alumni in the Alumni Career Network; conduct job searches; or plan for graduate/professional school.

The Career Center staff consists of a full-time director, assistant director, administrative assistant, and student paraprofessional staff. The department, complimented by appropriate technology and library resources, stress student contact, collaboration with faculty, alumni, and employers, and delivery of quality programs and events.

Campus Ministry

Campus Ministry at SJC functions as an integral aspect of the College Mission to provide the framework for spiritual, moral and ethical principles which reinforce the pursuit of truth. Campus Ministry service is geared toward the development of a Christian Community through worship and liturgical ministries, education, retreats, peace and justice awareness and individual outreach to students. The Campus Ministers live in the residence halls and are available to students as they adjust to campus life.

The Programs sponsored by Campus Ministry include: Liturgical Ministries, Kairos Retreats, Amnesty International Peace and Justice Group, Student Support Groups, Days of Reflection, Preparation for the Sacrament of Baptism, Confirmation and Marriage and an Outreach Program which allows students to experience life and volunteer in the inner city of Chicago and other similar areas around the U.S. Several non-denominational Prayer Services are also held during the year; information about various opportunities for

praying with other Christian denominations is also available through Campus Ministry. Campus Ministry Activities and Programs are open to students of all faith denominations.

Multicultural Affairs

The Office of Multicultural Affairs promotes the value of cultural pluralism through various activities. The primary purpose of this office is to facilitate and ensure the retention of minority students by providing counseling services and programming that address the needs and interests of minority students. The Office of Multicultural Affairs provides counseling services to minority students who may be experiencing difficulties in their classes or in their adjustment to campus life at SJC. This Office also disseminates and provides information about private sources of financial aid, summer internship opportunities and graduate school opportunities for minority students. Additionally, the Office is also involved in the selection process of candidates for the Minority Student Leadership Awards for incoming freshmen.

The ultimate goal of the Office of Multicultural Affairs is to sensitize and educate the majority and the minority populations about multiculturalism and to achieve a global perspective on the necessity of healthy race relations.

Athletic and Recreation Programs

SJC is proud of the student participation in its athletic programs. The intercollegiate program offers the opportunity to the student to participate in the sports of football, golf, volleyball, cross-country, basketball, baseball, tennis, soccer, softball and track on an interscholastic basis. At the same time the intramural program offers the opportunity to the students to participate in those same sports plus bowling, floor hockey and weekend activities of a special nature on an intraschool basis. Approximately seventy percent of the students on campus do participate in one or more of these activities.

The area for outdoor activities is more than ample to meet the need of recreational activities for the students. The facility layout includes nine football fields, a baseball diamond, many softball diamonds, a soccer field, five tennis courts and free play areas. The indoor facilities include a fieldhouse with four basketball courts, a gymnastics deck and a weight training room.

The Lake Banet Recreational Area on the west side of the campus has facilities for swimming, boating and fishing, as well as picnic shelters and playing fields. The lake is also used for study purposes studied by ecology and geology students.

Student Activities

The Student Activities Office, located on the third floor of Halleck Student Center, stresses the importance of co-curricular programs as supplemental to course work. Through participation in organizations, students learn about people and lifestyles different from what they have experienced in the classroom. Students can become involved in a variety of Student Organizations including: Student Union Board (SUB), Student Government, and Academic, Athletic, Honorary, Political Action, or Social Organizations.

Throughout the academic year the SJC calendar of events includes a variety of athletic, educational, cultural, social, and traditional programs. The traditional events that bring back many alumni and friends of the College include: fall Homecoming, Little Sibs

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Weekend, Parents Weekend and a "Little 500" go-kart race. The programs, developed with the guidance of the Student Activities Office, contributes to a comprehensive educational experience for all students attending SJC.

Dining Service

SJC Dining Services is proud to provide one of the highest quality Board Plans available in higher education today. Resident students are required to take all their meals in the College dining center unless excused with a valid medical excuse confirmed by the College physician. The plan provides for 20 meals per week. We serve breakfast, lunch and dinner on Monday through Saturday and brunch and dinner on Sunday.

Every meal offers students a choice of two main entrees, in addition we feature a fantastic salad bar, self-serve desserts, ice cream bar and beverages, with juice at every meal. With the exception of some special dinners "seconds" are unlimited.

We pride ourselves on the quality and diversity of the theme dinners we offer in the cafeteria. There is at least one lunch special and one dinner special every month: a Mexican Fiesta, Deli Buffet or a Prime Rib extravaganza just to name a few. We also provide food service and party planning for all clubs and student organizations throughout the year.

Bank

Student accounts are payable at the College Bank. For the convenience of students, the College bank maintains a Passbook deposit account for safekeeping of savings or spending money. Check cashing service is also available here.

Bookstore

The College Bookstore, located in Halleck Center, carries textbooks, stationery items, clothing, gifts, greeting cards, cosmetics and other supplies.

Commuter Students' Lounge

A well-appointed lounge provides a "home away from home" environment for students commuting to Saint Joseph's College. The lounge contains lounging furniture, study tables, microwave and refrigerator, telephones, a television, and computers with access to the campus network.

Fax Machine

A fax machine, located in the Office of Student Affairs, is available for students use during regular office hours. Fax transmissions may be sent and received free of charge; the fax number is (219) 866-6102.

Health Service

All students admitted to Saint Joseph's College are required to have a completed health record. This health form consists of a personal history (to be completed by student), current medical examination and immunization record to be completed by a licensed physician. This report is to be received in the Johnson Health Center prior to

registration. No student is permitted to register or to be housed until this form has been received.

The College physicians have regular office hours at the Johnson Health Center located on the ground level of Schwietermann House, Monday through Friday. The nurse, Director of the Johnson Health Center, is on staff Monday through Friday and on call though out the academic year. Major accident cases or illnesses of a serious nature are referred to the hospital or, when possible, to the student's family physician.

Laundry Service

A private agency provides coin-operated machines in each residence hall on campus for use by resident students.

Mail, Telegrams, Baggage, Fax

SJC has its own post office branch. All mail, telegrams, express and baggage should be addressed to Saint Joseph's College, Rensselaer, Indiana 47978. Students are required to procure their own post office boxes for receipt of mail through the United States Postal Service. FAX transmissions should be addressed to the student at (219-866-6102).

Multicultural Affairs Lounge

A lounge located on the second floor of Halleck Student Center has been established as a gathering place for students interested in sharing information concerning diverse cultures with other students and faculty. The lounge provides reading materials, television, stereo, and games for interested students.

Notary Public Service

Notary services are available to students in the Office of Student Affairs.

Personal Property

The College is not responsible for loss of or damage to personal property of the student from any cause. "Homeowner's" insurance policies generally cover personal property losses of dependents at college. Parents are urged to have an "extended coverage rider" on their personal property insurance policy to protect themselves in the event of loss. The College does not furnish this kind of insurance to students.

Security and Safety

The Security and Safety Department provides a twenty-four hour a day, year around, presence on campus in order to enrich the safety and security of all community members and College property.

Telephone

SJC switchboard telephone number is (219)-866-6000. The College switchboard is open twenty-four hours a day each day of the year. Beginning in the Fall of 1994, all resident students will have their own extension number which may be reached by calling the main switchboard; when the AutoAttendant answers, the caller will enter the student's four digit extension number. The residents will also have the capability of making local, campus, and long-distance calls from their rooms. In addition, the phone system utilizes a

voice-mail system so that callers may leave a message for the student they are trying to contact.

Vending

Vending machines are placed throughout campus to dispense snacks and beverages. A game room with pinball and video arcade games and pool tables is located on the lower level of Halleck Student Center.



CAMPUS FACILITIES

Academic Computer Center

Established in 1988 as a center of administrative and academic data processing. It houses one of three computer laboratories and is the hub of the academic computer network for students. It also houses several faculty offices and the College's copy center.

Arts and Science Building

The two wings of this building, completed in 1936, house science laboratories, the Music Department, the school library, the College auditorium and classrooms. The north-south wing includes Music Department offices and rehearsal rooms, the College's 400-seat theater, a computer laboratory, the Education curriculum library, and the school's 181,000 volume library. The building's east-west wing contains physics, chemistry, biology and geology laboratories in addition to many of the College classrooms.

The Charles Banet, C.P.P.S. Core Education Center

This 50,000 square foot building was opened as one of the central academic buildings on campus in 1995. In addition to the Core lecture hall and classrooms, the building houses a science lab, a computer classroom and faculty offices. The high-tech modern facility is named for Charles Banet, C.P.P.S., President of Saint Joseph's College from 1965 through 1993.

Dwenger Hall

Erected in 1907 and named for the second bishop (John Joseph Dwenger) of the Diocese of Fort Wayne, it was retired from service in June of 1998.

The Grotto

A college student (Faustin Bernard Ersing) inspired the original Lourdes Grotto in 1898. In 1931 it was greatly enlarged and included the interior shrine containing the Carrara marble statue of Christ in Gethsemane. The stations of the cross in the grove together with the large boulder with a bronze plaque containing Saint Bernard's "Memorare" were erected in 1951 in memory of the parents of Father John Baechle, C.P.P.S., former professor at Saint Joseph's College.

Halleck Center

Halleck Student Center, named after Charles A. Halleck, the late Congressman from Indiana and a long-time member of Saint Joseph's Board of Trustees, serves as the College student union building. The Center houses the student dining room, the College store, the Hub, CORE XI, the office of the Vice President for Student Affairs, the Campus Life Office, the Campus Ministry Office, the Student Association, Counseling and Career Center, Switchboard, and the Security and Safety Office. The Puma Band maintains a rehearsal hall and support facility on the lower level. The College newspaper, *The Observer*, and the College literary magazine, *Measure*, maintain working offices on the third floor.

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Hanson Recreational Center

This building dedicated in 1986, is the center for individual sports; with facilities for basketball, racquetball, aerobics, baseball, tennis and track.

Lake Banet

The 40-acre Lake Banet recreation facility is located at the southern edge of campus. Lake Banet offers fun in the sun and much more. The park is set up for picnics, volleyball, horseshoes, basketball, softball, swimming, jogging and other possibilities for exercise and relaxation.

Lake Banet is open Memorial Day to Labor Day each season. During this time the park is staffed with lifeguards who are trained in American Red Cross Lifeguarding and Community CPR (adult, child, and infant). Park managers also complement the staff, and in addition to the certification of lifeguards, they also have American Red Cross Water Safety Instruction.

Lake Banet has been host to several campus wide events including the "Triathlon at the Lake Banet Olympics," "Timbersports Lumberjack Festival," and "Polar Bear Games."

Xavier Hall - McHale Administration Building

It is named in memory of Frank McHale, a member of the original Board of Trustees, and a benefactor of the College. It currently houses the offices of the President, Vice President for Business Affairs, Admissions, Vice President for Institutional Advancement and Marketing, Registrar, College Bank, Human Resources and Financial Aid.

Post Office

Constructed in 1987-88 to replace the original College post office. This is a public post office located on our campus.

Raleigh Hall

This facility houses the varsity football, track and soccer offices, weight-lifting equipment, and is open for use by all students and staff. It also houses the Art Department and offices.

The Reflecting Pond

A part of Saint Joseph's since the College's earliest days, the Reflecting Pond borders the Chapel at the College's main entrance. The scenic pond and fountain are picturesque sights to Collegeville students and visitors.

Saint Gaspar Center

Named in honor of the founder of the Missionaries of the Most Precious Blood, Saint Gaspar del Bufalo, this center serves the faculty as a classroom during the summer months for the Music/Liturgy program. Weekend and daily liturgies are also celebrated in the Saint Gaspar Center. It is located between the College Chapel and Schwietermann.

Saint Joseph's Chapel

This attractive Romanesque brick and stone Chapel has served the College since 1910, and its stately twin bell towers have become synonymous with the College itself. Its lower level contains the television studio, the Communication & Theatre Arts department offices, psychology lab offices, the Board of Trustees' meeting room, and a small dining room.

Scharf Alumni Memorial Fieldhouse

The Fieldhouse seats 2000 spectators and provides locker rooms for over 500 participants in the school intercollegiate sports programs. Besides serving as the site for Puma men's and women's basketball and women's volleyball games, the Fieldhouse is also the scene for some concerts sponsored by the Student association during the school year. Named after Richard Scharf, former coach and Athletic Director from 1961 to 1981.

South Chapel Annex

Re-established in 1986 for active use. The area houses a nursing lab, Facilities and Planning offices, and shipping and receiving, and Forensics Council's office.

The 90.5 WPUM Radio Station Building

Since 1996, this area has been used by the campus radio station. The building houses offices, a production room, and the on-air studio.

COLLEGE HOUSING

The College's residence hall program is designed to contribute to the total development of the student. Emphasis is placed upon promoting intellectual awareness, developing effective self government, exposing the student to a group living situation, and providing an environment conducive to study. Each building includes lounge areas, a laundry facility and a microwave equipped kitchenette.

Because of the developmental value of living in a residence situation the College requires students to live in campus housing unless living with spouses or with parents or with immediate relatives who are bona fide residents of Jasper County.

Aquinas Hall

First used as a residence hall in 1959, this three-story hall houses 26 students and is named for Saint Thomas Aquinas, patron saint of Catholic education. The first floor of this building contains offices for professors in the Nursing Department and a seminar room. The second and third floors are available for housing for the non-traditional student. Eligibility is determined on an individual basis with authorization being granted by the Assistant Vice President for Student Affairs.

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Bennett Hall

Named for the Most Reverend John G. Bennett, first Bishop of Lafayette, an alumnus and generous patron of the College, this hall houses 96 students and was dedicated in the spring of 1955.

Gallagher Hall

Named after Robert A. Gallagher, first chairman of College Board of Trustees and generous patron of the College, this hall was dedicated in 1958 and houses 126 students.

Halas Hall

Dedicated in the fall of 1958, this hall is named for the late George S. Halas, member of the College Board of Trustees, generous patron of the College and owner of the Chicago Bears, who for years held summer training sessions at SJC. It accommodates 117 students.

Justin Hall

Two hundred and forty-eight of Saint Joseph's students are housed in this three-story, air-conditioned facility. Named after the late Justin H. Oppenheim, member of the College Board of Trustees, an alumnus and generous patron, the hall provides two comfortable lounges which join the building's two wings. It was dedicated in 1965.

Merlini Hall

Merlini Hall accommodates 78 students, was dedicated in 1940, and is named after the Venerable John Merlini, the third Moderator-General of the Missionaries of the Most Precious Blood.

Noll Hall

Dedicated in the spring of 1955 and accommodating 97 students, this building is named after the Most Reverend John F. Noll, former Bishop of Fort Wayne.

Schietermann House

Dedicated in May, 1963, this building serves as the residence for priests and brothers. The Y-shaped structure is adjacent to the Chapel and Xavier Hall-McHale Administration Building. It also contains the College Health Center, the public information office, and the Admission Welcome Center on the ground floor. The first floor is designated as a residential opportunity for senior or junior female students.

Seifert Hall

This building accommodates 133 students and is named for SJC's first president, the Very Reverend Augustine Seifert, C.P.P.S. This building was erected in 1939.

EARNING ACADEMIC CREDIT

Enrollment

All students are expected to report to the campus on the date officially designated in the College calendar. No new student will be admitted unless official notice of acceptance from the Dean of Admissions has been received.

Students are enrolled as regular when they meet all entrance requirements and have been approved for a course of studies leading to a degree; as special if the student is not at present working toward a degree. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester credits of college credit. Students failing to enroll or to pay fees and tuition on enrollment day as designated in the catalog may have to pay a late enrollment fee.

No student will receive credit for any course unless registered. Changes in courses or class sections must be approved and recorded with the Registrar.

Credits

The unit of academic credit is the semester credit. In courses other than Core, it represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. A class which meets twice weekly carries two credits; three times weekly, three credits. One laboratory period (two to four credits) is the equivalent of one class meeting. The lowest passing grade required before a student can receive credit is D.

Credit By Examination

Any regularly-enrolled student of SJC, in good academic standing, may receive credit for any course by passing an examination in the subject matter of the course. All passing grades and credit will be recorded on the student's record with an "X" next to the course number. (see restrictions listed below under "Eligibility").

- Schedule of Exams: (a) at the beginning of the first semester; (b) the first semester final week; (c) the second semester final week.
- Application to take credit-by-examination is made at the Office of the Registrar.
- Eligibility: Students may not receive credit-by-examination: (a) in courses which they are currently enrolled for credit, or have, at some time, enrolled for credit or audit; (b) in courses involving laboratory experience or practice; (c) in Core courses; (d) in applied music.
- Recording of exams. A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. If the student receives an A,B, or C grade in the examination process, credit and a grade of P will be recorded on the transcript. By exception, these P grades from credit-by-examination will be counted toward the major or the minor. If the student does not earn a P, nothing is recorded on the transcript.
- The exams shall be ones of the type given in the course for which the student is seeking credit. Such exams shall be constructed, scored, graded and administered by an instructor appointed by the Vice President for Academic Affairs.

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Clep

Credit is available upon successful completion of the College Level Examination Program (CLEP). A score at the four-year college mean or higher on the sophomore norm group is required for credit.

Auditing Courses (No credit earned)

Auditing a course means attending class without obligation with respect to regularity of attendance, outside classwork, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit credits combined for which a student registers normally do not exceed twenty-one credits per semester. Audited courses are recorded in the Registrar's Office and are shown on the student's permanent academic record with the symbol Z.

Experiential Credit

Saint Joseph's College recognizes that knowledge and skills can be gained on the job as well as in the classroom and so experiential credit may be awarded to students who have demonstrated learning which is equivalent to college level knowledge and skill. Students enrolled in degree programs at SJC may request permission from the Vice President for Academic Affairs to prepare a portfolio for evaluation. The following criteria apply:

- Students will normally be at least 25 years of age and enrolled in a degree program in the College.
- The awarding of credit shall not interfere with the requirements for professional certification or outside licensing (e.g., CPA, education certification).
- Students shall not receive more than 21 credits via this method.
- Students must have at least one semester with a full-time status at SJC before applying for this type of credit.
- Credit will be awarded only for areas of study currently recognized as creditable at SJC.

Students must spend an academic term in the preparation of the portfolio. It is the student's responsibility to document and to demonstrate the knowledge which approximates the college credit being sought.

Evaluation shall be conducted by persons holding faculty appointment in appropriate disciplines and who are skilled in the evaluation process of experiential credit.

Credit will be awarded based on standards and guidelines for relating learning outcomes to units of credits.

Upon recognition of credit, entry shall be made on the student's transcript and shall be noted as experiential credit.

Internships and Practical Experience

The College provides a variety of programs which encourage students to apply knowledge outside the classroom. These programs help the student test career choice decisions and provide them with work experience.

In addition to departmental programs (in accounting, business, communication, radio/TV, journalism, political science, pre-law, psychology, sociology) the College is

affiliated with The Washington Center in Washington, D.C. The Center offers semester long programs combining internship placement and coursework to qualified junior and senior students from a variety of majors. Recent Washington Center intern placements include theatre, radio, TV, congressional offices, businesses, non-profit organizations, lobbyists, and in the State and Defense Departments. Students interview with the organization(s) of their choice and are then placed for the semester.

To be eligible for an internship, students must have a GPA of 3.00 overall and in their major, must have attained junior status (i.e., earned 60 or more credits), must have passed all prerequisites for internships, and must have the positive recommendation of the departmental coordinator of internships. Internships may carry from 3 to 9 credits of academic credit, depending on length of time and level of work involved. The students are evaluated by their supervisor at the job site, but the final grade (A to F) is assigned by the departmental sponsor of the internship. A special fee is charged for the administration of all internships, except those with The Washington Center.

Independent Study

This program provides the opportunity for degree-seeking students, during regular semesters, to pursue special topics, reading programs, or projects within existing departments apart from courses listed in the catalog. Students who have completed the freshman year may apply for an independent study by preparing a proposal for the faculty member who might sponsor the project. This proposal should be submitted 30 days prior to registration for the semester in question. After the faculty sponsor has approved the project, the student must receive permission from the Vice President for Academic Affairs and then register for the independent study.

One, two, or three credits may be proposed for a project, and the credit and grade thus earned will be entered on the student's record and count toward graduation. The student registers for the independent study during the regular registration period, and all provisions of the official College calendar must be observed.

There is a limit of 12 semester credits of Independent Study that may be counted towards graduation requirements.

Directed Study

In rare instances a degree-seeking student may need a course in the College catalog that is not in the published schedule for the current term. In such cases, the Chair of the Department involved must justify to the Vice President for Academic Affairs a request for the student to do the course as a directed study. The Chair must also show why some other courses cannot substitute for the course in question. Before final approval is given, the Department will show how the directed study will be comparable in content, assignments, papers, and tests to the catalog course as normally offered, and the official College calendar must be followed.

Spring and Summer Sessions (Terms 3 and 4)

SJC offers a fully-accredited spring program beginning in mid-May. In addition the College offers a full summer program in Church Music for both graduate and undergraduate credit.

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Study Abroad

Students who wish to spend a semester or a year studying abroad should contact the Advisor for International Studies as soon as they start considering this possibility. Careful planning has to go into the scheduling of courses, so that all graduation requirements will be met in timely fashion.

If the time abroad is spent at one of SJC's own extension campuses (England, France, Germany, Austria, the Netherlands, Spain, or Central America), all courses and grades and credits will be entered onto the student's academic record. If the student makes arrangements to study at a different university abroad, other than the SJC extension campuses, then appropriate transfer of credit policies will be applied.

REGISTRATION, ADD/DROP & WITHDRAWAL OF COURSES

A "Course Schedule" is published for each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructor. The College reserves the right to cancel any course for low enrollment. SJC also reserves the right to assign students to class sections and to limit the number of students who may enroll in a course.

Faculty advisors assist students in planning their programs of study. In all cases it is advisable that the student select a major by the end of the Freshman year and consult the faculty advisor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar.

Add/Drop Period

During the first week of classes in each semester a student may, with consent of the Registrar, change a schedule by adding or dropping courses. Courses dropped during this period do not appear on the student's permanent record.

Course Load

The normal course load for one semester is fifteen or sixteen credits. To be classified as full-time a student must register for a minimum of twelve semester credits. Normally, every full-time student must be registered for the proper Core segment, unless an exception is granted by the Vice President for Academic Affairs.

Permission to register for a course load in excess of eighteen credits must be obtained from the Vice President for Academic Affairs. The basis for such permission shall be the student's ability as evidenced by previous college work. The regular hourly tuition cost will be charged for each credit in excess of eighteen credits.

Course Attendance

Students are required to attend all officially scheduled lectures, discussions, laboratory exercises and examinations. Absences may be excused for reasonable causes, such as sickness, death or serious illness in the student's immediate family, a wedding in the family, intercollegiate sports or other College activities (such as field trips), and circumstances beyond the student's control such as government summons, bad weather, etc. The judge of reasonableness in any case is the instructor.

Sanctions for unexcused absences from class are the prerogative of the individual instructor. Sanctions may include a failing grade on any work due on the date of an absence, a reduction of the final grade for the course, or a failure in the course.

Withdrawal From Courses

After the add-drop period, students wishing to withdraw from a course must present written evidence of consultation with the instructor and faculty advisor to the Registrar. To withdraw from Core courses a student must also have written authorization from the Vice President for Academic Affairs.

Forms for course withdrawal can be obtained at the Office of the Registrar. Such withdrawals will be indicated on the student's record with the letter "W". No official withdrawals will be given later than two weeks beyond the date for mid-term grades. (See College Calendar). Students who register for a PE course that begins at mid-term may officially withdraw from the course without penalty by the end of the twelfth week of that semester. All other regulations apply concerning a grade of "W" or "F".

Students who are assessed an overload fee and then withdraw from a course will be refunded a portion of the overload fee based on the week of withdrawal relative to the start of the course. The amount of the refund will be calculated according to the College "Refund Policy" scale on page 27 of this Catalog.

Withdrawal From The College

Students not intending to register for the following semester are required to inform the Registrar and the Vice President for Student Affairs. Any student who withdraws during the semester must notify the Vice President for Student Affairs and the Registrar. Any student who withdraws without proper notification will forfeit honorable separation. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused official transcript of credit until all accounts are paid. If a student withdraws voluntarily or is dismissed, "W" grades are assigned.



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GRADING

Students earn one of the following letter grades for each enrolled course:

<u>Grade</u>	<u>Quality Points</u>	<u>Grade</u>
A	4.0	W (Withdrawal)
A-	3.67	I (Incomplete)
B+	3.33	Z (Non-credit /Audit)
B (above average)	3.0	N (Not pass - no credit)
B-	2.67	P (Pass)
C+	2.33	
C (average)	2.0	
C-	1.67	
D+	1.33	
D (Acceptable but poor)	1.0	
F	0.0	

Calculate the GPA by multiplying the number of credits earned by the quality points, then divide the sum by the total number of credits attempted. For example:

<u>Grade</u>	<u>Credit</u>	<u>Quality Points</u>	
A	3	4.0	= 12.00
B-	2	2.67	= 5.34
C	4	2.0	= 8.00
B	1	3.0	= 3.00
D+	<u>3</u>	1.33	= <u>3.99</u>
	<u>13</u>		32.33

$$\begin{array}{lll} \text{Q.P.} & \text{Cr.} & \text{GPA} \\ 32.33 & \div 13 & = 2.49 \end{array}$$

Only credits earned at SJC are used in calculating the GPA.

Incomplete Grade

The incomplete grade is given when under unusual circumstances a final grade cannot be given. It is not to be used by either the student or the instructor as a way of indiscriminately extending the semester or other grading period, nor is it to be used at the mid-term grading period. A course in which the grade of "I" is received will not be considered in computing the GPA until the incomplete grade is removed. If the I grade is not removed within five weeks after the close of the semester, a grade of F will be assigned. Students with an "I" grade are not eligible for the Dean's list.

Grade Changes

Grades cannot be changed once they are submitted to the Registrar's Office. In case of computational error the instructor must secure the written authorization of the Vice President for Academic Affairs. All grades are final after the date set for the removal of Incompletes.

Repetition of Courses

Students may repeat any course in which they earned a D or F. Only the highest grade earned will be used in calculating the GPA. However, all courses will remain part of the student's official academic record. Students are responsible for informing the Registrar that a course is repeated.

Pass/Not Pass Option

A student may count a maximum of 24 credits towards graduation under the pass/not pass option. The pass/not pass option is limited to open electives. Core courses and those required in the major or minor may not be taken for pass/not pass. The exception is student teaching. To receive a *pass* a student must achieve a C- or better; below a C-, student will receive a *not pass*, which will be recorded as no credit. The student must decide within the time limit stated in the calendar whether a course is to be taken for a grade or under the pass/not pass option. In determining fulltime status for Dean's List eligibility, pass/no pass credits are excluded. Students must have at least 12 letter graded credits remaining after the pass/no pass credits are excluded in order to be eligible for the Dean's List.

Grade Reports

Students are issued grade reports at midterm and at the end of the semester. Mid term grades do not become part of a students permanent academic record. Both mid-term and final grades are sent to parents, guardians and students.

ACADEMIC HONESTY

Saint Joseph's College exists for the pursuit of truth and knowledge. In that pursuit, all members of the community students, faculty, staff and administrators remain committed to honesty in all personal and professional activity related to the mission of the institution. Personal and communal integrity are fundamental in Catholic education. To that end, students at the College are obligated to understand the central role of honesty in its relation to academic coursework, interaction with their fellow students, relationships with faculty and association with the administrative staff of the College.

Students are expected to be truthful in all academic relationships on campus; in all courses, each student has the responsibility to submit work that is uniquely the student's own. Cheating, plagiarism, willful violation of personal or collegiate computer security, misrepresentation of rightful ownership of academic property, falsification of data, theft or mutilation of library or reserved materials, unauthorized or misrepresented copying of print/media information or copyrighted computer programs of any kind are expressly forbidden at the College. The use of commercial term paper companies or preexisting files of term papers to produce assigned class work is considered a violation of the Academic Honesty Policy. Outside of formal coursework, students are also expected to maintain honest and ethical behavior. The misuse of SJC identification cards or the mistreatment or alteration of academic records (including grade reports and transcripts) are violations of the Academic Honesty Policy.

It is the special responsibility of the Vice President for Academic Affairs to insure compliance to and promulgation of the Academic Honesty Policy. In addition to the publication of this policy in the College Catalog, all faculty are required to review the

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policy at the beginning of each semester with all classes of the College. It is the individual faculty member's responsibility to assure that all students are aware of the written version of the Academic Honesty Policy and to support its enforcement. It is the individual student's responsibility to know and follow this policy. Ignorance of the Policy by any member of the community is not an excuse for noncompliance.

I. Detection of possible violation of the Academic Honesty Policy by a faculty member

Once a faculty member has sufficient reason to judge that a student has violated the College's policy on academic honesty, the faculty member should

- A. In person, and if possible in private, discuss the alleged violation and the evidence with the student, and,
- B. Without taking any punitive action, submit a written report to the Vice President for Academic Affairs as soon as possible, indicating
 1. the charge against the student,
 2. evidence supporting the charge,
 3. and a summary of the discussion between the student and the faculty member, including any admission or denial of guilt on the student's part.

II. Enforcement of the Academic Honesty Policy by the Vice President for Academic Affairs

Upon the receipt of the report, the Vice President for Academic Affairs will inform the student, in writing, of the charges and right of appeal. The Vice President will also enclose copies of the faculty member's report and the Academic Honesty Policy. The Vice President will also inform the student that the sanctions for academic dishonesty are as follows:

- The minimum sanction for the first offense is an F for the test or assignment, but the usual sanction is an F in the course where the violation took place.
- The minimum sanction for the second offense (in the same or any other course at the College) is an F for the course, but the usual sanction is dismissal of the student from Saint Joseph's College.

If the student does not choose to appeal, the Vice President for Academic Affairs will notify the faculty member and the student of the penalty that the Vice President or designate deems is applicable.

III. Process for student to appeal the charge

If the student chooses to appeal, the following procedures will be followed:

- The student will be permitted five school days from receipt of the letter to request a hearing before a subcommittee of the Academic Cabinet.
- The College will send a notice of a hearing to all parties at least five days prior to the hearing, if possible. The notice will include a statement of the time and place of the appeal and the nature of the charges.
- The above time periods may be waived by the student.

IV. Appeal Hearing

- At the appeal, all parties will have an opportunity to respond to the charges, to present evidence and argument on all issues involved, and to submit rebuttal evidence. The appeal will be conducted in an informal, but orderly, manner.
- The hearing committee shall complete and submit to the Vice President for Academic Affairs or delegate a recommended decision containing its findings, conclusion, and recommended sanction, if any.

The Vice President for Academic Affairs or delegate may accept or modify any finding, conclusion, or suggested sanction in the recommended decision and issue the final decision of the College as soon as practicable. The final authority rests with the Vice President for Academic Affairs.

Academic Classification

A student is classified as a freshman by meeting the entrance requirements: as second semester freshman when 15 semester credits have been earned; as a sophomore after 30 semester credits have been earned; as a junior when 60 credits have been earned; and a senior when 90 semester credits have been earned.

Dean's List

The Dean's List is published at the end of each full-length semester. Full time students who are in the top 10% of the student body in terms of current GPA semester grades are placed on the Dean's List, provided the student earns twelve credits excluding pass/not pass.

Graduation With Honors

Graduation with honors is conferred on the basis of a student's cumulative GPA:

- 3.4 Cum Laude
- 3.6 Magna Cum Laude
- 3.8 Summa Cum Laude

PROBATION AND DISMISSAL

Students not making satisfactory academic progress are subject to academic probation or dismissal. Freshmen and sophomores whose cumulative GPA falls below 1.8 will be placed on academic probation. Juniors below 1.9 and seniors below 2.0 will be placed on academic probation.

Any student whose semester GPA is below 1.0 or whose cumulative GPA drops by 1.5 from the previous semester's GPA will be placed on academic probation and subject to dismissal. Students on academic probation must successfully complete the conditions specified in an academic advising contract. (These conditions may include items such as: weekly meetings, study hall attendance, restricted extracurricular activities, etc.).

Any student on academic probation who fails to remove the probation the following semester is subject to dismissal. Students who are dismissed have the right to appeal that decision. The appeal must be in writing to the Academic Vice President and must specify the reasons for the appeal.

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Students who are dismissed may apply for readmission after one semester. The application must be in writing to the Academic Vice President and must specify the reasons.

Students dismissed a second time will not be readmitted.

TEACHER EDUCATION

All early childhood, kindergarten, elementary, middle, junior high and secondary education programs have been approved by the State of Indiana in accordance with the provisions of Rules 46-47, Indiana Professional Standards Board (IPSB), as amended. In addition, they are also approved by the National Council for the Accreditation of Teachers Education (NCATE). Indiana is a joint-partner with NCATE. In addition to standards established by NCATE and the IPSB, Indiana and the College adhere to the Interstate New Teacher Assessment and Support Consortium (INTASC) standards.

Students who are not residents/citizens of the State of Indiana should consult with the State Department of Education of their respective states, in which they legally and currently reside and/or where they intend to teach, for that State's teacher licensing requirements. Students are ultimately responsible for the fulfillment of all that is required for certification and licensing in the State where they are legal residents and/or where they intend to teach.

Since Teacher Education Programs (TEP) are governed by national, state and college requirements, students are advised each semester prior to registration by a member of the education department. Students preparing to teach in secondary schools major in the subject area they intend to teach and the requirements for these majors are listed under the subject area.

A 10-week full-time student teaching experience is required for Indiana certification. This normally occurs during the second semester of the senior year. Students who elect to do student teaching at another time may have to complete Core 9 during Spring Session or return for another semester. Students need approval of the Director of Student Teachers in order to register for student teaching. Assignments in cooperating public and independent schools are made in conjunction with the Teacher Education Committee (TEC).

To qualify for student teaching, a student must:

- Have a 2.50 cumulative index.
- Have been in the teacher education program for at least one semester, doing C+/B- work or better. Approval by the Teacher Education Committee in the junior year is the official entry into the Teacher Education Program.
- Have passed at least six credits of professional education courses.
- Have sound dispositions for the teaching profession and in the personal and social qualities basic to sound teaching.
- Have completed their "presentation portfolio" according to the INTASC standards.

Athletic Eligibility

A student is eligible to participate in intercollegiate athletic contests under the following conditions:

- Be of approved physical condition as certified by the College physician.

- Meet the requirements for classification as a regular full-time student in good academic standing at SJC. For purposes of determining athletic eligibility, a student athlete will be deemed to be in good academic standing unless the student fails to remove academic probation as described in the section entitled "Probation and Dismissal."
- Be eligible to play in the designated game according to the rules, policies, and approved practices of the *National Collegiate Athletic Association* with respect to amateur standing, length of previous participation, institutional transfer and similar matters. SJC, as an institution of higher education, fully subscribes and adheres to the By-Laws, regulations and rules of the NCAA and the Great Lakes Valley Conference regarding "academic eligibility" and "satisfactory progress." Furthermore, SJC supports the philosophy and practice of applying said standards for both regular season competition as well as tournament competition.

It is the responsibility of the players as well as the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

Family Education Rights and Privacy Act of 1974

Annually, SJC informs students of the Family Education Rights and Privacy Act of 1974. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failure by the institution to comply with the Act.

Local policy explains in detail the procedures to be used by the institution for compliance with the provision of the Act. Copies of the policy can be found in the following offices: Vice President for Academic Affairs, Registrar, Vice President for Student Affairs, Financial Aid and Counseling Offices.

Transcripts

Students requesting academic transcripts must include name, date of birth, social security number, signature, date of graduation or last attendance, complete address of where transcript is to be sent. A \$5 fee is charged per transcript copy for 1-10 copies. If more than 10 transcripts are ordered at one time, a maximum fee of \$50 will be charged. No transcripts will be sent if the student has any financial obligations to the College.

STUDENT ACADEMIC AWARDS

The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent SJC's attestation of the recipient's excellence as demonstrated in a variety of fields. In all cases the College reserves the right to withhold an award if none of the entries attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

Accounting Faculty Scholarship Award

A scholarship, amount to be determined annually, is presented by the Accounting Faculty to a junior accounting major (to be used in the senior year) selected by the Accounting Faculty. The criteria for selection include: 1) major field of study must be accounting; 2) evidence of outstanding ability and potential; and 3) personal financial need should not be a factor.

The Douglas E. Bauer Memorial Award

This award was established by the Biology Department and the Biology Club in memory of Douglas E. Bauer (class of 1975) who was killed in an accident while pursuing his graduate degree in biology. The award will be made to a senior in biology or biology-chemistry who meets the following criteria: 1) grade point of at least 3.00; 2) positive attitude toward biology as demonstrated by cooperation with faculty and student peers; 3) determination and ambition as shown in laboratory procedures; 4) pursuit of further education in biology by admission to graduate study.

The Donald Brinley Prize In Philosophy

In recognition of his long-time contribution to SJC and his love and enthusiasm for students and philosophy, the philosophy and religion faculty have established the Don Brinley Prize in Philosophy. The student will be awarded the prize by submitting the best philosophical writing, as deemed by the philosophy and religion faculty. The writing is judged in light of the qualities Professor Brinley admired and exemplified: courage, insight, honesty, rigor, and depth in religious and philosophical thought.

Computer Science Award

This award is given to the outstanding junior and the outstanding senior in the Computer Science Department. The recipients must be majors or group majors in computer science/information systems who have demonstrated the highest achievement in academic excellence. Award winners are selected by the Computer Science faculty members.

The C.H. Craig Creative Educator Award

The C.H. Craig Creative Educator Award is given annually to an Elementary Education Major who has demonstrated both an outstanding rapport with children and a high degree of creativity in working with them.

William L. Downard Prize In History

An award of merit presented annually by the Department of History to a student who has excelled in the field of history and its related areas.

Mother Drexel Sociology Award

This annual award is presented to a junior or senior Sociology major who has excelled in the field of sociology. This award is based on excellence in scholarship and responsibility in service.

The Father Rufus Esser English Award

This award is given to the senior English major who has manifested a deep appreciation and knowledge of literature, and who has contributed to the artistic and intellectual development of the College community.

Future Executive Scholarship

This scholarship is presented annually by the Business Club to a selected freshman student, majoring within the Commerce Division. The scholarship is based on academic achievement, financial need, and extracurricular activities. The student will be chosen by the Business Club officers, Chairman of the Department, and the Division Coordinator.

John Heimann Award

An award to a music major for excellence in scholarship and general musicianship. The Heimann prize is named in memory of the late father of Fathers Ambrose and Lawrence Heimann. Donor: Dr. and Mrs. John B. Egan.

Indiana CPA Society Award

A plaque is presented annually by the ICPAS to the outstanding senior accounting major. The selection of the recipient is made by the accounting faculty on the basis of criteria which include: (1) achievement of at least a 3.00 index in accounting and also on a cumulative basis; (2) willingness to accept responsibility; (3) extracurricular activities, particularly of a leadership nature; and (4) good moral character.

Father Joseph B. Kenkel Award

This award is presented annually by the Department of Economics to a junior or senior for scholastic achievement in the study of economics. It is named in honor of Father Joseph B. Kenkel, who served Saint Joseph's College for over 40 years, both as a teacher of economics and as President of the College. To be considered for the award, the student must have at least a 3.5 index in economics and a 3.2 overall index.

Gregory E. Kulavik Award

Awarded annually to the outstanding new member of Saint Joseph's College Band, determined by a vote of the members.

Adam P. Lesinsky Award

Awarded annually to the outstanding member of the Saint Joseph's College Band.

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David E. Osterfeld Political Science Award

An annual award presented by the Department of Political Science to a senior major who has excelled in the field of political science. The award is named in memory of Professor David Osterfeld, alumnus and faculty member.

The Father Sylvester Ley Editorial Award

Named for the co-director of *The Observer*, the award will be presented annually to a page editor deemed to have exemplified the best in editorial professionalism. Voted upon by the entire *Observer* staff.

Maritain Academic Excellence Award

This is a departmental award given annually to the junior or senior admitted to the Teacher Education Program having the highest cumulative grade point average (minimum of 3.00).

Meiring Alumni Teaching Excellence Award

This award is given to an active teaching graduate having five or more years of teaching experience, whose contributions to classroom teaching and professional activities have a mark of excellence. The teacher will be selected by vote of the faculty in the education department.

The Dr. James Mignery, C.P.P.S. Award

This award is presented to the outstanding graduating senior majoring in the Communication and Theatre Arts Department. Named for former faculty member Brother James Mignerey, the recipient must exhibit those qualities most valued by Brother Jim: Scholarship (minimum of a 3.5 GPA in the major), outstanding contributions to the department's co-curricular activities, and service to the College. The faculty of the Communication and Theater Arts Department will choose the recipient and the student's name will be engraved on the permanent plaque.

Outstanding Student In International Studies

This award is made to a student majoring in International Studies, normally a senior, who holds a minimum 3.00 GPA and has demonstrated in class and in extracurricular activities a high level of global awareness.

Edward Panozzo Award

This award is given annually to an upperclassman psychology, sociology, or human service major or minor who reflects the dedicated and intense social service commitment of the late Edward Panozzo. High GPA is not a criterion for this award.

Psychology Academic Excellence Award

This award is presented annually for academic achievement by the Psychology/Psi Chi Club in conjunction with the Psychology Department advisor. The recipient is the junior psychology major who has the highest grade point average in psychology courses. The

completion of at least 12 credits of psychology and a minimum GPA of 3.00 are also required.

Schuyler Robinson Award

This award is for excellence in applied music as demonstrated in public performances. The award is given in memory of the late Schuyler Robinson, former editor of the *Rensselaer Republican* newspaper.

Saint Joseph's College Alumni Board Senior-Of-The-Year Award

This award is presented by the Director of the Alumni Association to the senior who has made outstanding contributions to both his/her class and the College.

Father Urban J. Siegrist Award

This award is presented annually to a junior for outstanding achievement in the biological sciences. The award is sponsored by the Biology Club and was established in 1976 in honor of Father Urban J. Siegrist, C.P.P.S. for his many years of service to the College. The selection of the recipient is made by the biology faculty and Biology Club officers on the basis of the following criteria: (1) achievement of at least 3.5 index in biology and of at least 3.2 cumulative index; (2) extracurricular activities, particularly in the Biology Club.

Signature Direct Marketing Award

This award is presented annually to a student (senior or junior) who best demonstrates a career interest in direct marketing. The faculty of the department of Management/Marketing will consider both academic and extracurricular achievements.

Father Paul Speckbaugh Reporter Of The Year Award

Named for the first co-director of *Stuff*, now called *The Observer*, the award will be presented annually to a staff reporter deemed to have exemplified the best in professional journalism. Voted upon by the entire *Observer* staff.

Student Teacher Excellence Award

This award is given annually to four student teachers, two per semester. Two elementary and two secondary level teachers will be eligible to receive the award. Student teachers are to meet the following criteria:

1. 3.40 or better cumulative index
2. 3.40 or better index in the major
3. involved in extra-curricular activities or service at the College or elsewhere with proper documentation
4. actively participates in the Education Club for at least two years
5. exhibits healthy dispositions in teaching and in personal and social qualities basic to sound teaching.

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Trustees' Award

These awards are given to the top graduating student in each of the five academic Divisions of the College. Recipients are selected by the faculty of each Division on the basis of superior scholarship and leadership in extracurricular activities.

Wall Street Journal Award

A year's subscription to the *Wall Street Journal* and a plaque are presented by the Department of Business Administration to a senior business major.

Louis B. White Award

This special citation of merit is presented annually by the Glee Club to the most outstanding member of the mixed chorus. The award was initiated in memory of Louis B. White '52, former president of the Glee Club, who gave his life for his country in 1953.

J. Kevin Woods Memorial Award

This special citation of merit is presented annually by the Accounting Club to an outstanding senior. The award, in memory of J. Kevin Woods, accounting alumnus of 1966 who was killed in action in Viet Nam in 1968, was established by his family and friends. The following criteria should apply in the annual selection of the student who receives the award: (1) must be an accounting major; (2) must have maintained C grades or better; and (3) the senior accounting majors, (not the faculty) select the student most deserving of the award.

HONORS SOCIETIES

Alpha Lambda Delta Freshman Honor Society

This national honor society recognizes outstanding scholastic achievement in the freshman year. To be nominated for membership, students must have at least a 3.50 cumulative GPA for the two semesters of their freshman year.

Delta Epsilon Sigma National Scholastic Honor Society

Students qualify for membership in this national society when they have completed half of the credits required for their degree with a cumulative GPA of 3.40 or better.

Phi Alpha Theta International Honor Society In History

To be considered for membership, a student must have completed at least twelve semester credits in history, have maintained at least a 3.10 GPA in those courses and a 3.00 GPA overall, and rank in the upper 35% of one's class.

Course Descriptions

Core Curriculum

Most colleges have “general education programs,” namely those courses that are required of all students for graduation, no matter what their individual majors are. At SJC, all of these general requirements are condensed into a single, integrated “Core Curriculum” that extends throughout the eight semesters of the normal undergraduate experience and totals 45 semester credits. These courses are, moreover, very evenly scheduled from the freshman to the senior years, occupying six credits in the first seven semesters and three credits in the second semester of the senior year.

The Saint Joseph’s College Core Curriculum is very different from general education at most other colleges. Here, general education involves almost all of the departments or disciplines within the College, and it is a team-taught program through all eight semesters. Moreover, the Core program--unlike the more widespread “distributional” approach to general education, with students choosing two of these courses and one of those courses--is a single program of integrated liberal arts education that begins at a well defined point in the freshman year and works through clear stages of progress toward an equally well defined goal in the senior year. The Core Curriculum, therefore, is a well coordinated program of general education that complements the work in the major through the four years of College education.

Core Curriculum Objectives

The College began this special program in 1969 and has invested large amounts of faculty time and energy in it. Over the years, the curriculum has developed, but the following objectives remain the focus of the Core Curriculum.

- All Core Curriculum faculty, in all eight semesters, work to develop the cognitive and communication skills of students: critical thinking, listening-speaking, and reading-writing skills.
- The Core Curriculum is a common academic experience for all students and for most of the faculty, thus constituting a lively basis for true academic community on this campus.
- The Core Curriculum enables all students to acquire an understanding of how all the contemporary modes of inquiry work, no matter what the major.
- The Core Curriculum pays special attention to how knowledge from each of the various disciplines connects with knowledge from other fields, and thus students are encouraged to develop an integrative habit of mind.
- In the Core Curriculum, values (personal, national, global) are a constant focus of study, so that students may work to develop their own set of values with sensitivity and consistency.
- All through the eight semesters of the Core Curriculum, there is witness to the specific values of our Judeo-Christian and Humanist traditions in keeping with the College motto of “Religion, Moralitas, Scientia.”

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The Core Curriculum constitutes “the first major” of each and every student at the College. That means that every graduate from SJC has the benefits -- for both personal development and for career advancement -- of a solid background in integrated liberal arts as well as the major field of study. Every student is exposed to a well planned and rigorous liberal arts “Core” and also has the opportunity to work at specific career or graduate school preparation through the major.

Freshman Seminar

1 credit

A course for first-year students focusing on academic planning, college adjustment, and success skills, educational philosophy and the history and purposes of Saint Joseph's College. Required of all freshmen in the fall semester.

Core 1. The Contemporary Situation

6 credits

A study of the human situation in the twentieth century with its crises and achievements. The course aims at student involvement in the world through reflection and communication. Required of all freshmen.

Core 2. The Modern World

6 credits

A study of the larger movements of civilization from the seventeenth to the twentieth century with emphasis on contemporary relevance. Required of all freshmen.

Core 3. The Roots of Western Civilization

6 credits

A study of the Hebrew, Greek and Roman civilizations in their roles as roots of Western Civilization. Core 3 stresses the intellectual, artistic, religious, and social contributions of these civilizations to our modern Western Civilization. Required of all sophomores.

Core 4. The Christian Impact on Western Civilization

6 credits

A study of the growth of Western Civilization from the beginning of the Christian era to the emergence of the “Modern World.” The intellectual, artistic, religious, and social growth of these years is emphasized. Required of all sophomores.

Core 5-6. Humanity in the Universe

6 credits

This course, extended through two semesters, studies the emergence of the human species in the course of cosmic, biological and cultural evolution and assesses the theoretical and practical impact of the natural sciences on the human situation. Required of all juniors except those in an approved three-year science program.

Core 7-8. Intercultural Studies

6 credits

An examination of civilizations other than our own. By studying other cultures, the student gains a new perspective and insight into the institutions and thought of the Western world. Extended through two semesters and required of all juniors.

Core 9. Towards a Christian Humanism**6 credits**

This course attempts to point to the possibility of a Christian view of the human person by an examination of the general problems of humanism, religion, Christianity, and Catholicism. It applies psychological, sociological, philosophical, and theological considerations to the material provided by the previous Core experience. Required of all seniors, and of juniors in an approved three-year sequence.

Core 10. Christianity and the Human Situation**3 credits**

A seminar course on selected ethical problems of our day in the light of Christian faith and of all the Core experience, especially Core 9. Core 10 is, therefore, a study of the practice of Christian Humanism. While section leaders may offer a variety of introductory approaches, preference will be given to seminar topics originated by students. Such topics might be related to person-oriented concerns, to urgent contemporary issues, or to a student's chosen career.



62 Accounting ACCOUNTING

The Accounting major provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial and auditing or cost accounting positions.

There are two concentrations in the major: General Accountancy and Certified Public Accountancy.

The General Accountancy program leads to the Bachelor of Science Degree in Accountancy. The Certified Public Accountancy program requires that the student complete a total of 150 semester credits. The Certified Public Accountancy student will complete the General Accountancy program and take additional courses as required by law to sit for the exam in Public Accountancy. Upon the successful completion of at least 150 credits, and the award of the Bachelor of Science Degree in Accounting, the student will receive an attestation from Saint Joseph's College evidencing the student's successful completion of the baccalaureate degree and 150 semester credits.

MAJOR IN ACCOUNTING (85 credits for CPA; 46 credits for General Accounting)

REQUIRED: Common Body of Knowledge, 8 courses (25 credits)

ACC 101 Prin of Acct I	ECN 223 Prin of Econ: Microeconomics
ACC 102 Prin of Acct II	ECN 224 Prin of Econ: Macroeconomics
MGT 111 Prin of Management	ECN 228 Business & Econ Statistics
MKT 112 Prin of Marketing	FIN 102 Prin of Finance

REQUIRED: For General Accounting Concentration, (21 credits)

ACC 203 Intermediate Acct I	ACC 310 Advanced Acct II
ACC 204 Intermediate Acct II	ACC 411 Auditing
ACC 307 Cost Acct	ACC 413 Income Tax Acct
ACC 309 Advanced Acct I	

REQUIRED: For Certified Public Accountancy Concentration (85 credits)

46 credits listed above for General Accounting plus:

ACC 205 Business Law I	FIN 203 Corp Finance I
ACC 206 Business Law II	FIN 308 International Finance
ACC 308 Advanced Cost Acct.	FIN 410 Problems of Financial Mgt

ACC 414 Income Tax Acct. II
ACC 415 C.P.A. Review
ACC 417 Pro-Seminar in Acct Theory

COM 114 Public Speaking
PHL 422 Business Ethics

CMP 001 Intro to Computers, CMP 002 Intro to Spreadsheet, CMP 003 Intro to BASIC Programming, or CMP 111 Computer Science I.

GROUP MAJOR IN ACCOUNTING - FINANCE (64 Credits)

REQUIRED:

Common Body of Knowledge: (25 credits)

General Accountancy Concentration: (21 credits)

Four courses in Finance (12 credits)

FIN 203 Corporation Finance I

FIN 205 Investment Analysis

FIN 204 Corporation Finance II

FIN 410 Problems of Finance Mgt

Choose 6 credits from:

FIN 307 Amer Finance Sys FIN 308 Intrnntl Finance FIN 411 Seminar in Finance

GROUP MAJOR IN ACCOUNTING-INFORMATION SYSTEMS (70 credits)

REQUIRED: Common Body of Knowledge, 8 courses (25 credits).

REQUIRED: 14 courses (42 credits)

ACC 203 Intermediate Acct I

CMP 111 Computer Science I

ACC 204 Intermediate Acct II

CMP 112 Computer Science II

ACC 307 Cost Acct

CMP 221 Data Structures

ACC 309 Advanced Acct I

CMP 231 Applications Programming

ACC 310 Advanced Acct II

CMP 340 Information Systems

ACC 413 Income Tax Acct

CMP 341 Data Base Concepts

ACC 411 Auditing

CMP 343 Software Engineering

Choose 3 credits from Computer Science required for a major.

MINOR IN ACCOUNTING (18 credits)

REQUIRED: 5 courses (15 credits)

101-102 Principles of Accounting 203-204 Intermediate Accounting
307 Cost Accounting

ELECTIVE: Any 3 credits in Accounting

TEACHER EDUCATION REQUIREMENTS:

ACC 101-102, 205 or 206; MGT 110, 111, 344, 222; MKT 112; FIN 102;
ECN 223-224, 228; CMP 007, 111-112. Elect 3 credits ACC 203 or above. College
major in Management, Marketing, Accountancy, Finance, or Economics.

64 Accounting

COURSE DESCRIPTIONS

101-102. Principles of Accounting

6 credits

A fundamental course in accounting. The course is presented so that the student is properly prepared in the theory and techniques of accounting that are necessary for advanced accounting courses. Emphasis is placed on the solution of accounting problems.

203-204. Intermediate Accounting

6 credits

An investigation into the form and theory of financial statements with emphasis on the theory and practice of accounting for assets, liabilities and corporate capital accounts. Theory and techniques of recognizing revenues and expenses, including the time value of money are studies as the various assets and liabilities are covered. Familiarity with current events in the financial world is required for intelligent class discussion

205-206. Business Law

6 credits

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instrument, agency sales, partnerships, corporations, property and torts.

Prerequisite for ACC 206: ACC 205.

307. Cost Accounting

3 credits

A study of the basic terminology, concepts, and techniques of cost determination. Job order, process, and standard cost systems are explored through the medium of problems.

308. Advanced Cost Accounting

3 credits

This course is designed to familiarize the student with analytical interpretation of cost data. The areas of budgetary controls, direct costing, cost-volume relationships, and variance analysis are given special consideration. **Prerequisite: ACC 307.**

309-310. Advanced Accounting

6 credits

Advanced partnership accounting problems and special transactions resulting from foreign currency translations are considered. Special emphasis is placed on the preparation of consolidated statements of financial condition and income. Consideration is also given to statements required of fiduciaries and to governmental accounting problems, as well as the statement of cash flow.

390. Internship

3-9 credits

This course is designed to allow qualifying students to actually work off-campus for a professional accounting firm. These senior students apply the technical skills acquired in prior accounting courses to the actual accounting situations of the firm's clients. The student is also expected to act professionally in social situations with firm and client personnel. The Core program, with its emphasis on current events, ethics, and values, should allow the student to assume this responsibility with ease. Achievement will be based upon the periodic and final written reports of the intern and an evaluation of performance by the firm.

411. Auditing 3 credits

This course recognizes that dependable financial information is essential to the very existence of our society. The need for independent auditors to attest to the basic financial statements follows from this recognition. Professional competence and integrity as an auditor is developed in the student through exposure to the theory and techniques applied in an audit.

412. Auditing Practicum 1 credit

The course involves an auditing practice set or other project that should give the student basic outlook, professional attitude, and skills required by an auditor.

413-414. Income Tax Accounting 6 credits

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

415. C.P.A. Review 6 credits

This course provides an intensive and comprehensive review of accounting. It is designed to help prepare students to take and successfully pass the uniform Certified Public Accountants' examination. Areas covered include: intermediate, advanced, theory, cost, auditing, income tax, quantitative methods, and business law. A Mock, mini-C.P.A. examination is given at the end of the course.

417. Pro-Seminar in Accounting Theory 3 credits

An introduction, by means of directed reading and individual projects, to the methods of accounting research and the theory of accounts.

455. Independent Study 1-3 credits

66 Art ART

The Art Department offers both studio and art history courses for anyone interested in the visual arts. There is an organized program of instruction for students wishing to minor in art, a program that meets requirements for elementary education majors, as well as an assortment of courses designed principally for personal enrichment. Some courses require a lab fee. Additionally, students are usually responsible for purchasing expendable supplies. Material costs for the studio courses vary and instructors will provide specifics at the beginning of each course.

MINOR IN ART (18 credits)

REQUIRED: 2 courses (6 credits)

- 111 Basic Design & Color Theory
- 131 Drawing I

Choose 3 credits from:

- 212 Design II
- 232 Drawing Composition

Choose 6 credits from:

- 121 Ceramics
- 125 Fiber: Surface Design
- 126 Fiber: Construction
- 133 Painting
- 134 Printmaking

Choose 3 credits from:

- 151 Art Hist: Renaissance
- 152 Art Hist: Neoclassical-20th Cent.
- 153 Art Hist: 20th Century Art

COURSE DESCRIPTIONS

111. Basic Design and Color Theory

3 credits

Introductory study of theory, content, process and application of two-dimensional design with the inclusion of color theory and application.

121. Ceramics

3 credits

The study of hand-building techniques with an emphasis on the vessel form. Techniques of surface decorating, glazing, and firing of low-fire clay bodies will be taught. **Lab fee.**

125. Fiber: Surface Design

3 credits

Students are introduced to a variety of surface design processes including: batik, tie-dye, bleach-out, fabric painting and printing, and silk-screen. Lab fee required. **Recommended prerequisite: Art 111.**

126. Fiber: Construction

3 credits

The study of fiber manipulation using various loom and non-loom techniques. **Recommended prerequisite: Art 111, Lab fee.**

131. Drawing I

3 credits

A basic course in the fundamentals of drawing with an emphasis upon visual structure using various media.

133. Painting	3 credits
Basic instruction in the use of oil painting and other media with emphasis upon the visual problems of painting. Prerequisite: Art 131, recommended prerequisite: Art 111.	
134. Printmaking	3 credits
Students are provided experience in four printmaking techniques: silk-screen, lino-leum relief, collograph and monoprint. Lab fee. Recommended prerequisite: Art 111.	
147. Art Foundations I	2 credits
A discipline-based introduction to the nature and history of art including lectures, discussion, and studio production. This basic course is required for elementary education majors.	
148. Art Foundation for Elementary Teachers II	2 credits
A basic introduction to elementary art education principles and practices with continued exploration of two and three dimensional art media and elementary applications. Course includes a six week team-teaching practicum experience. Lab fee. Prerequisite: Art 147.	
151. Art History: Renaissance to Impressionism	3 credits
A survey of the development of Western art from the Renaissance to Impressionism through lectures, slides and research.	
152. Art History: Neoclassical Through 20th Century	3 credits
A survey of the development of art history, theory and criticism from the Neoclassical movement to the early 20th century through lectures, slides, and research.	
153. Art History: 20th Century	3 credits
A survey of the development of modern and contemporary art history, theory and criticism through lectures, slides, research and studio exercises.	
212. Design II	3 credits
Continued study of visual theory and structure through the design process, including three-dimensional design problems.	
232. Drawing Composition	3 credits
A study of more advanced techniques and problems in a variety of drawing media with an emphasis on the development of finished compositions.	
255. Independent Study	1-3 credits
259. Advanced Studio	1-3 credits
Expanded and advanced study in the area of the advanced student's choice. Student will work toward an exhibition and final portfolio. Recommended: Art 111.	

68 Biology

BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1: A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems; 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science; 3. The biological background for certain professional careers such as teaching biology in secondary schools or working in industrial or sales positions requiring a knowledge of biology or chemistry.

Interested and qualified majors in biology are encouraged to supplement their training in zoology or botany by field ecological work, marine or fresh water, in the taxonomic, embryological, and physiological areas, in any approved biological station. Fresh water and terrestrial field stations are operated by many Midwestern colleges and universities. With prior consent of the department, credits received will be accepted here.

Students who plan to do graduate work in biology should do an independent study project (BIO 255, 355, 455 or Research 259) in order to gain insight and experience in biological research.

ASSOCIATE OF SCIENCE DEGREE IN BIOLOGY-CHEMISTRY (60 credits)

REQUIRED: 53 credits

CORE 1, 2, 3, 4

BIO 111 & 112 Gen Biology

CHM 122 Gen Chem II

CHM 121 Gen Chem I

CHM 233 Organic Chem I

Intro courses in Math, Statistics, and Computer Science (9 credits).

ELECTIVES: Any 7 credits from the natural sciences or commerce.

MAJOR IN BIOLOGY (60 credits)

REQUIRED: 36 credits in Biology that must include:

BIO 111 & 112 General Biology

BIO 220 Sophomore Biology Seminar

BIO 225 Comp. Vertebrate Anatomy

BIO 330 Junior Biology Seminar

BIO 337 Genetics

BIO 440 Senior Biology Seminar

REQUIRED: 16 credits in Chemistry that must include:

121& 122 General Chemistry

233 & 234 Organic Chemistry

REQUIRED: 8 credits in Physics that must include:

121 Mech & Heat

122 Optics, Electricity & Atomic Structures

GROUP MAJOR IN BIOLOGY-CHEMISTRY (62 credits)

REQUIRED: 54 credits in Biology and Chemistry which must include all those listed for a Biology major, including PHY 121-122, plus CHM 246 and CHM 379.

Students majoring in Biology or Biology-Chemistry may elect to concentrate in the following areas:

Environmental Biology: this emphasizes: ecology, conservation, populations, evolution and statistics.

Zoology: this emphasizes: vertebrates, invertebrates, embryology, animal behavior, physiology and biochemistry.

Marine and Aquatic Biology: Interested students take a concentration in Zoology or Environmental Biology. We supplement their work with annual local field studies and a semester at an accredited Marine or Aquatic Institute.

Pre-Medical Program: The pre-medical program is designed to enable students to meet the entrance requirements of medical schools approved by the American Medical Association, the American Osteopathic Association, and the American Pediatric Association. In addition, our program helps students prepare for the Medical College Admissions Test (MCAT).

Pre-Dental Program: The pre-dental program is designed to enable students to meet the entrance requirements of American dental schools. In addition, our program helps students prepare for the Dental Admissions Test (DAT).

Pre-Veterinary Program: The pre-veterinary program is designed to enable students to meet the entrance requirements of American veterinary schools. These can often be met by taking TWO years of courses at Saint Joseph's College. Some veterinary schools prefer students to have four years of a MAJOR in biology with a concentration in zoology.

Pre-Therapy (Pre-Physical and Pre-Occupational Therapy): Those students interested in Physical Therapy or Occupational Therapy will major in Biology and take "Pre-Therapy" courses and the Health Therapy minor. This usually enables students to meet the requirements for entrance into Physical or Occupational Therapy schools at the Master's degree level. Students taking the "Pre-Therapy" concentration and the Health Therapy minor may take Anatomy and Physiology (BIO 121, 122). For Biology credit, if they take Human Medical Physiology (BIO 327), they may also take Biochemical Physiology (BIO 379 or CHM 379) in place of the required CHM 234.

70 Biology

GROUP MAJOR IN MEDICAL TECHNOLOGY (57 credits)

REQUIRED: 54 credits of Biology and Chemistry plus one course in statistics (hospital program credits count for graduation requirements), which must include:

BIO 111 & 112 General Biology	CHM 233 Organic Chem I
BIO 323 Microbiology-Bacteriology	CHM 234 Organic Chem I OR
BIO 444 Advanced Microbiology	CHM 379 BioChem Physiology
CHM 121 & 122 Gen Chemistry	

REQUIRED: All Core courses except 5 & 6 and 12 months in an affiliated hospital program.

Medical Technology: This program requires completion of three years at SJC and 12 months in an affiliated hospital program. This program meets the requirements of the American Medical Association and the American Society of Clinical Pathologists. SJC is affiliated with the following Indiana hospitals: St. Margaret, Hammond; St. Mary Mercy, Gary; St. Vincent, Indianapolis, and Ball Memorial, Muncie.

NOTE: Students majoring in Biology, Biology-Chemistry or Medical Technology can not normally take BIO 101, 203, 115, 121, 122, 223 as part of the major. BIO 111-112 are prerequisites for all other Biology courses. Completion of any major does not guarantee admission to a graduate or professional school.

GROUP MAJOR IN ENVIRONMENTAL SCIENCE (58 credits)

REQUIRED: 44 credits from Biology, Chemistry, Geology and Physics that includes:

BIO 111 & 112 General Biology	GEO 111 Environmental Geology
BIO 233 Ecology & Conservation	GEO 128 Environmental Studies
BIO 339 Population Biology	GEO 459 Environmental Systems
CHM 121 & 122 Gen Chemistry OR CHM 111 Intro Chemistry	
3-6 credits of approved research, internship or field experience.	

Choose 6 credits from:

ECN 224 Prin. of Econ.: Macroeconomics	EDC 381 Science Teaching Meth.
POL 207 Comparative Public Policy	EDC 443 General Methods
POL 405 Policy Analysis	COM 405 Argument & Debate
POL 407 International Law & Organization	

Choose 8 credits from:

PSY 225 Statistics	CMP 003 Intro to BASIC programming
MTH 125 Calculus I	CMP 004 Intro to Database Mgt.
MTH 241 Probability & Stats I	CMP 005 Selected Computer App.
MTH 242 Probability & Stats II	CMP 009 Independent Computer App.
MTH 244 Lin. Algebra & Matrices	CMP 111 Computer Science I
CMP 001 Intro to Computers	CMP 112 Computer Science II
CMP 002 Intro to Spreadsheet	

MINOR IN BIOLOGY (18 credits)

ELECTIVES: Any 18 credits in Biology.

MINOR IN HEALTH THERAPY (18 credits)

REQUIRED: Select 18 credits from the following: (no more than 6 credits from any area.)

Mathematics	Psychology (except Statistics)
Sociology	Physical Education
Statistics	Arts & Crafts
Educational Psychology	

NOTE: Only students majoring in Biology with a concentration in "Pretherapy" can minor in Health Therapy.

MINOR IN ENVIRONMENTAL SCIENCE (21 credits)

Choose 9 credits from:

- BIO 111 & 112 General Biology
- BIO 233 Ecology & Conservation of Natural Resources
- BIO 339 Population Biology

Choose 6 credits from:

- GEO 111 Earth Science
- GEO 128 Man & His Environment
- GEO 459 Environmental Systems

Choose 6 credits from:

- | | |
|--------------------------------------|-------------------------|
| ECN 224 Prin of Econ: Macroeconomics | PSY 225 Statistics |
| POL 207 Comparative Public Policy | POL 405 Policy Analysis |

TEACHER EDUCATION REQUIREMENTS

Teaching Major in Biology: BIO 101, BIO 233, and MTH 125, 126 and the major in Biology.

Teaching Minor in Biology: BIO 111-112, 225, 233, 337 and 9 credits of electives in Biology.

COURSE DESCRIPTIONS**101. Human Biology: Personal and Social Responsibility 3 credits**

Wellness problem solving in the areas of human nutrition, use and abuse of drugs and alcohol, sexuality, stress, natural and acquired immunity, human ecology, human genetics; life style, laboratory, and field teaching safety procedures.

104. Biology for Elementary Teachers 3 credits

A course designed to give teacher candidates the theoretical background and hands-on experience to work with materials appropriate to elementary school students.

72 Biology

111-112. General Biology

8 credits

An introductory discussion of the concepts and methods of biology with stress on laboratory investigations to emphasize biology as a science of inquiry. The second semester stresses biodiversity. This course is prerequisite to all other course offerings in biology. Offered every year.

115. Nursing Anatomy and Physiology

4 credits

This course is designed to study the structure and function of various cells, tissues, organs, and systems of the human body. An intensive course intended for nursing students only. Laboratory. Offered every year.

121-122. Human Anatomy and Physiology

6 credits

An introductory course intended for physical education, primary education and psychology majors. The course is recommended for students preparing to teach health in high school. Laboratory. Offered every year.

202. Diseases and Pharmacological Treatment I

3 credits

This course is designed to increase the learner's understanding of common pathophysiological phenomena. Pathophysiologic content will be presented first with related pharmacotherapeutic regimes following. Content to be included will be cell structure, growth and development of the cell, fluid and electrolytes, infection, inflammation, the immune system and cancer. Pathology of pain and the pharmacotherapeutics of pain management are included. Endocrine, gastrointestinal, renal and urinary and derma-tological systems presented with the pharmacotherapeutic management that is commonly used with all the listed pathologies.

203. Diseases and Pharmacological Treatment II

3 credits

This course continues the process begun in Disease & Pharmacological Treatment I. Content builds on the first course to increase understanding of; common pathophysiological phenomena and pharmacologic content related to the cardiovascular, hematologic, respiratory, reproductive, sensory neurological, musculoskeletal, and psychiatric disorders.

214. Introduction to Scientific Latin and Greek

2 credits

A study of the elements of the Greek and Latin languages, together with their roots and the corresponding English derivations commonly used in biological, chemical, and medical sciences. Offered in semester 992.

220. Sophomore Biology Seminar

1 credit

An introduction to library search techniques, information retrieval systems, and scientific writing. Offered every year.

223. Introductory Microbiology for Nursing

4 credits

This course gives a basic overview of the major areas of microbiology: microbial structures and physiology; environmental roles; control and growth; and immunology and disease. Laboratory emphasizes culture and handling techniques, means of growth

and control, plus macro and microscopic means of identification. This course is meant as an introduction for freshman level nurses. Offered every year.

225. Comparative Vertebrate Anatomy 4 credits

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological and physiological relationships of the various organs and systems. Laboratory.

232. Invertebrate Zoology 3 credits

A survey of invertebrate animals from the protozoa through the chordates. Emphasis is placed upon structural and functional adaptations of the major phyla and classes, along with their evolutionary relationships. Laboratory.

233. Ecology and Conservation of Natural Resources 3 credits

The study of organisms in relation to their environments with emphasis upon interrelationships among physical factors (light, temperature, and moisture), biogeo-chemical cycles, and biotic factors (trophic relationships, population dynamics, and interactions between species). Methods for conservation resources, especially biological resources, are included.

234. Ichthyology and Herpetology 2 credits

This field course will focus on the evolution, classification, ecology and natural history of fish, amphibians and reptiles. Emphasis is placed upon the identification of local species. Offered semesters 983 and 003.

236. Ornithology and Mammology 2 credits

This field course will focus on the evolution, classification, ecology and natural history of birds and mammals. Emphasis is placed upon the identification of local species. Offered semesters 993 and 013.

255. Independent Study 1-3 credits**259. Topics in Amphibian Biology Research 1 credit**

Survey of local amphibian distribution and diversity. May be taken twice.

264. Plant Taxonomy 3 credits

A study of the families and species of trees and wild flowers of the midwestern United States. Emphasis is placed upon collection and identification of native flora. Offered spring session.

323. Introductory Microbiology 4 credits

This course gives a basic overview of the major areas of microbiology: microbial structures and physiology; environmental roles; control and growth; and immunology and disease. Laboratory emphasizes culture and handling techniques, means of growth and control, plus macro and microscopic means of identification. Though similar to

74 Biology

Biology 223, lecture requirements will be in greater detail and depth, and laboratory exercises will place increased emphasis on scientific method and writing.

326. Developmental Biology

4 credits

Laboratory includes small group work and individual project study of developmental processes, using live organisms from different kingdoms. Lecture-discussion of early vertebrate embryology informed by contemporary developmental biology research.

327. Human Medical Physiology

4 credits

An in-depth study of the physiology of the human body, especially as demonstrated in medical conditions and medical lab tests. Cannot be used to replace Biology 121 or 122. Laboratory.

330. Junior Biology Seminar

1 credit

Application of library research techniques to specific problems and the preparation of an annotated bibliography.

335. Evolution

2 credits

This course will focus on the history, mechanisms and evidence of evolutionary theory. Current debates concerning the role of chance and the rate of evolution will be discussed. Discussion will emphasize the original literature as well as current research. Offered semesters 982.

337. Genetics

4 credits

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits. Laboratory.

339. Population Biology

2 credits

This course will focus on population growth, interactions of populations community structure and wildlife management. A project on the methods for the experimental design of ecology and environmental studies is included. Offered semesters 992.

345. Histology

3 credits

The study of the microscopic structure of animal tissues with emphasis on human tissue structure. Microscopic examination of tissue slides to determine the internal identifying characteristics of cell types and their mode of organization into functional tissues and organs. Laboratory.

346. Animal Behavior

3 credits

Types of animal behavior are studied in regard to their development, adaptive aspects, and evolution. Lectures and projects.

355. Junior Research in Biology

1-3 credits

379. Biochemical Physiology (CHM 379)

4 credits

A study of the chemistry and properties of carbohydrates, amino acids, proteins, lipids and nucleic acids as they relate to cellular metabolism and organelles. Examination of molecular structure and active sites of some model enzymes systems and a study of intermediary metabolism and its control mechanisms are included. Laboratory.

Prerequisites: BIO 111 and CHM 231

440. Senior Biology Seminar

1 credit

The organization and presentation of a research paper as part of a scientific area symposium.

444. Advanced Microbiology

4 credits

This course looks in greater depth at microbial diseases, genetics, and special roles. Half of the course deals with immunology in genetics, and special roles. Half of the course deals with immunology in depth (immune response, agents and cells, modern use of immune technology, hypersensitivity, and cancer and graft immunity).

455. Senior Biology Research

1-2 credits

459. Topics in Cellular and Molecular Biology

3 credits



76 Chemistry

CHEMISTRY

The courses offered by the Department of Chemistry are designed for the student to attain: (1) knowledge and understanding of the basic concepts of chemistry, basic instrumentation, and analytic and synthetic methods used in chemistry; (2) knowledge and use of safety procedures and respect for hazardous chemicals and their interaction with the environment; (3) skills in problem-solving, accessing and organizing information, and communicating as a science professional; and (4) an appreciation of the importance of the field of chemistry in today's society.

Since these objectives are all included to some degree in every course, majors in other areas of science such as biology, geology, engineering, education, and nursing, as well as chemistry, will be adequately prepared in terms of the supportive knowledge and skills needed for their respective areas of study.

Students who complete the pre-engineering program in chemical engineering at SJC may qualify for the B.S. degree in chemistry from SJC upon completion of requirements at another college or university.

MAJOR IN CHEMISTRY (52 credits)

REQUIRED: 13 courses (49 credits)

CHM 121 & 122 General Chem

CHM 233 & 234 Organic Chem

CHM 246 Quantitative Analysis

PHY 121 Mechanics & Heat

PHY 122 Optics

CHM 367 & 368 Physical Chem

CHM 440 Instr. Methods of Analysis

CHM 455 Research in Chem

MTH 125 Calculus I

MTH 126 Calculus II

ELECTIVES: Any 3 credits in Chemistry.

MINOR IN CHEMISTRY (18 credits)

REQUIRED: 2 courses (8 credits)

CHM 121 & 122 General Chem

ELECTIVES: Any 10 credits in Chemistry except CHM 001, 111, 255, and 455 (CHM 246 is recommended).

TEACHER EDUCATION REQUIREMENTS:

Teaching major in Biology and Chemistry: BIO 101, 111-112, 225, 233, 337; CHM 121-122, 233-234; MTH 125-126; College major in any of the sciences.

Teaching minor in Chemistry. CHM 121-122, 233, 234, and eight credits upper level electives.

COURSE DESCRIPTIONS

(Any course stated to be a prerequisite to a chemistry course must be completed with a grade of C or better.)

001. Chemistry for Elementary Teachers**3 credits**

This course in theoretical as well as practical chemistry is designed for students intending to teach in elementary school. It does not satisfy the chemistry requirement for a major or minor in science. Two lectures and one 2-hour laboratory period per week.

111. Introductory Chemistry**5 credits**

This course is an introductory chemistry course for nurses and may serve as a preparation for students to take CHM 121. It covers topics in general chemistry including metric conversions, atomic structure, bonding, chemical and physical changes, gases, solutions, acids and bases. The organic portion covers basic organic functional groups and simple iupac naming, as well as an introduction to carbohydrates, lipids and proteins. This course consists of two 75 minute lectures, one 50 minute recitation and one 2-hour laboratory per week. **Prerequisites:** High school chemistry or CHM 001.

121. General Chemistry I**4 credits**

This course combines the basic concepts of chemistry with practical application of these concepts in the laboratory. It is intended to build upon a foundation of high school chemistry. Three lectures and one 3-hour laboratory period per week.

Prerequisite: High school chemistry or the equivalent.

122. General Chemistry II**4 credits**

This course is a continuation of Chemistry 121 or an equivalent. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 121

233. Organic Chemistry I**4 credits**

A study of the structure, naming, properties, and reactions of aliphatic and aromatic hydrocarbons. The material presented in the lecture will be supplemented by application studies in the laboratory with representative compounds. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 122

234. Organic Chemistry II**4 credits**

A study of the structure, naming, properties, and reactions of the functional groups of organic compounds. A study of these properties and reactions will be directed in the laboratory where spectroscopic methods will also be introduced. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 233

246. Quantitative Analysis**4 credits**

A study of the theoretical principles upon which analytical methods are based. Included are a survey of the field of analytical chemistry and a detailed investigation of the standard methods. Volumetric, gravimetric and electroanalytical experiments are carried out in the laboratory. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 122

78 Chemistry

255. Independent Study

3 credits

367. Physical Chemistry I

4 credits

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one 3-hour laboratory period each week.

Prerequisites: CHM 246, MTH 126, and PHY 122.

368. Physical Chemistry II

4 credits

A continuation of Chemistry 367. This course emphasizes atomic and molecular structure and reaction dynamics. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 367

379. Biochemical Physiology (BIO 379)

4 credits

A study of the chemistry and properties of carbohydrates, amino acids, proteins, lipids, and nucleic acids as they relate to cellular metabolism and organelles. Examination of molecular structure and active sites of some model enzyme systems is included. Three lectures and one 3-hour laboratory each week. **Prerequisite:** BIO 111 and CHM 233 (CHM 234 preferred)

440. Instrumental Methods of Analysis

4 credits

A study of the principles of chemistry underlying the use of instruments in analysis and a survey of the field. The laboratory work consists of analyses carried out with representative instruments. Three lectures and one 3-hour laboratory period per week. **Prerequisite:** CHM 246

455. Research in Chemistry

1-2 credits

This is an individual research project on some special problems in chemistry. The student makes a thorough search of the literature and carries out the experiments needed to reach a conclusion. Progress reports are made and discussed with the faculty director. Can be repeated. **Prerequisite:** Permission of instructor

458. Topics: Chemistry

1-3 credits

COMMUNICATION AND THEATRE ARTS

Communication and Theatre Arts has as its aim the following goals: (1) to instill an understanding and appreciation of oral rhetoric and its function in a liberal education; (2) to develop the student's resources, ability, and faculty for the spoken communication of thought and emotion; (3) to prepare students for graduate study in communication; (4) to foster an appreciation and understanding of theatre in our culture; and (5) to provide an understanding and application of the theories and skills in Mass Communication and provide an opportunity for practical experience in television, radio, and journalism.

MAJOR IN COMMUNICATION & THEATRE ARTS (36 CREDITS)

REQUIRED: 4 courses (12 credits)

110 Introduction to Communication
353 Survey of Rhetorical Theory

114 Public Speaking
463 Senior Seminar

Choose 3 credits from:

117 Intro to Mass. Comm.
118 Basic Audio
119 Basic Video

Choose 3 credits from:

115 Intro to Theatre
116 Acting
225 Play Production

234 Oral Interp.
335 Adv Acting
336 Directing

Choose 3 credits from:

222 Group Discussion
224 Interpers. Comm.
242 Intercult. Comm.
344 Organiz. Comm.

Choose 3 credits from:

232 Advanced Public Speaking
243 Persuasion
323 Argument & Debate
354 Political Comm.

ELECTIVES: Any 12 credits from Communication & Theatre Arts.

MAJOR IN MASS COMMUNICATION (36 credits)

REQUIRED: 5 courses (15 credits)

117 Intro to Mass Comm
118 Basic Audio Production

119 Basic Video Prod
127 Brdcst Announcng

Choose 6 credits from:

115 Introduction to Theatre
116 Acting
222 Group Discussion
224 Interpersonal Communication
225 Play Production
232 Advanced Public Speaking
234 Oral Interpretation of Literature
243 Persuasion
336 Play Direction

Choose 12 credits from:

231 Sports Info & Reporting
237 Broadcast Journalism
339 Script Writing
347 Adv. Audio Production
348 Adv. Video Production
349 Broadcast Management
354 Political Communication
357 Issues in Mass Comm.
358 Media Law

80 Communication and Theatre Arts

344 Organizational Communication
352 Public Relations

359 Hollywood Workshop
461 Practicum in Comm.
490 Internship in Comm.

Choose 3 credits from:

107 Radio Laboratory 108 Television Laboratory

Note: Students who major in Communication & Theatre Arts may not minor in Mass Communication or Theatre. Students who major in Mass Communication may not minor in Communication or Theatre.

MINOR IN COMMUNICATION (18 credits)

REQUIRED: One course (3 credits)

110 Introduction to Communication

Choose 3 credits from:

222 Group Discussion
224 Interpersonal Communication
323 Argument & Debate

Choose 3 credits from:

117 Intro to Mass Comm
118 Basic Audio Production
119 Basic Video Production

Choose 3 credits from:

115 Intro to Theatre

116 Acting

225 Play Production

ELECTIVES: Any 6 credits from Communication & Theatre Arts.

MINOR IN THEATRE (18 credits)

REQUIRED: Three courses (9 credits)

115 Intro to Theatre

116 Acting

225 Play Production

Choose 9 credits from:

105 Theatre Lab
234 Oral Interpret of Lit

335 Adv. Acting
336 Play Direction

ENG 122 Intro to Drama
ENG 350 Shakespeare

MINOR IN MASS COMMUNICATION (18 CREDITS)

REQUIRED: Three courses (9 credits)

117 Intro to Mass Comm 118 Basic Audio Production

119 Basic Video Prod

Choose 9 credits from:

127 Broadcast Announcing 231 Sports Info & Reporting
339 Scriptwriting 347 Adv Audio Production
349 Broadcast Management 354 Political Communication
359 Hollywood Workshop 461 Practicum in Communication

237 Broadcast Journ
348 Adv Video Prod
358 Media Law
490 Internship

TEACHER EDUCATION REQUIREMENTS:

Teaching major in speech: COM 105, 112, 113, 116, 118, 119, 225, 234; elect 9 credits from 114, 222, 323, 232, 243; and the major in speech and elect 3 credits from JRN 105 or 106. Teaching minor in speech: COM 112, 113, 118, 119; elect 6 credits from 114, 222, 323, 232, 243; elect 6 credits from 116, 225, 234 and elect 3 credits from JRN 105 or 106.

COURSE DESCRIPTIONS**105. Theatre Laboratory** 1 credit

Applied practice in theatre. Participation in all phases of theatre activity and performance. This course may be taken up to three times. **Prerequisite: Consent of Instructor.**

106. Forensics Laboratory 1 credit

Applied practice in forensics. Participation in forensics competition and performance. This course may be taken up to three times. **Prerequisite: Consent of instructor.**

107. Radio Laboratory 1 credit

Applied practice in radio. Opportunity for work at WPUM-FM, the College radio station. This course may be taken up to three times. **Prerequisite: Consent of instructor.**

108. Television Laboratory 1 credit

Applied practice in television production. Opportunity to work for WPUM-TV6, the College television studio. This course may be taken up to three times. **Prerequisite: COM 119 or consent of instructor.**

110. Introduction to Communication 3 credits

This course will introduce the student to all facets of study within the communication discipline. Specifically, this course will survey various types of communication including intrapersonal, interpersonal, nonverbal, small group, intercultural, and cross-cultural communication, rhetoric, public speaking, mass communication, computer-mediated communication, and specialized areas such as health, family, and business communication. **Prerequisite for Communication majors and minors.**

112. Physical Bases of Speech 2 credits

Emphasis placed on achieving acceptable and pleasing voice and articulation. Content shall include: physical bases of speech, group reading, individual work, drills and exercises.

113. Elements of Speech Improvement 3 credits

Diagnosing simple speech defects and disorders, nasality, lisping, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders.

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114. Public Speaking 3 credits

A study of the types and modes of public address. Practice in speech preparation and presentation. The student delivers between five and eight speeches during the semester.

115. Introduction to Theatre 3 credits

This course is designed to help students achieve a better appreciation of the theatre arts and to help them to understand better the role of the arts in society. Topics include the nature of art, the role of the playwright, director, actor, designers, and audience, major movements in theatre history and philosophy, and types and forms of drama.

116. Acting 3 credits

A basic course for the beginning actor. Emphasis placed on body movement, use of the voice, stage directions, characterization, dramatization, emotional recall and vocal interpretation of the play script. The student will present scenes and short acts in class for critical purposes. Opportunity for participation in College productions.

117. Introduction to Mass Communication (JRN 117) 3 credits

A study of the forms of communication involved in the mass media (print, radio, television and film). Basic theories of Message, Receiver, Channel, and Sender are applied in classroom exercises through oral reports, surveys and research. Required for Mass Communication, Journalism and English Education majors. **Prerequisite for Mass Communication 200-400 level classes.**

118. Basic Audio Production 3 credits

The study of contemporary audio production. The history of radio, programming and management, the nature of sound and radio, and operation of equipment will be studied. Practical projects include interviews, newscasts, music shows, commercials and public service announcements.

119. Basic Video Production 3 credits

A study of the theoretical and practical application of video production. Stress placed on performance, use of equipment, directing techniques. Practical projects include interviews, newscasts, demonstrations. Opportunity for special interest available in final project.

127. Broadcast Announcing 3 credits

A broad-based examination of the physical and professional aspects of media announcing. General voice theory is addressed, as are a variety of specific announcing techniques, including radio and television announcing, reporting and anchoring, public affairs announcing, and commercial announcing. Students are required to participate in lab exercises associated with the campus radio and television stations.

220. Photojournalism (JRN 220) 3 credits

The use of cameras and films and the developing and printing of black and white photographs used in journalism. Planning, taking and editing news pictures; writing cutlines and captions; the technique of the picture story.

222. Group Discussion	3 credits
The content and methodology of participation and leadership in group problem-solving activities. Prerequisite: Core 1	
224. Interpersonal Communication	3 credits
The study of communication as a method and process of exchanging meaning on both the interpersonal and intrapersonal levels of information; the analysis and application of structured and unstructured systems of communications. Prerequisite: Core 1	
225. Play Production	3 credits
A study and application of the technical aspects of play production as they relate to the theatre. Practice in making a prompt book, stage lighting, scene design, set construction, and costuming. Participation in student productions is required. Prerequisite: Core 1	
231. Sports Information and Reporting	3 credits
The study of the process of reporting and coverage of live sporting events, including delivery, writing and play-by-play. The role of sports information staff as gatekeepers of information and responsibility to the press is explained.	
232. Advanced Public Speaking	3 credits
Application in composition and delivery of the principles underlying all forms of speech. Practice in speaking on subjects of current interest and the student's choice. Prerequisite: Core 2	
234. Oral Interpretation of Literature	3 credits
The development of the student's abilities in reading aloud through exercises in the analysis and communication of the logical content of the printed page. Special attention will be given to a study of literature, prose and poetry, as they affect the understanding the performance of the oral interpreter. Prerequisite: Core 2	
237. Broadcast Journalism	3 credits
The study of journalism in the electronic media, with emphasis on broadcast news writing, coverage and editing, problems and potentials. Practical projects include news reports in both radio and television, and a project involving the class in a 30-min. television newscast.	
238. Video Field Production	3 credits
This is a course focusing on the application of video production techniques to remote field production. Students study the decision-making process in determining location, camera placement, lighting, sound and environment for producing video outside the studio. Attention is paid to pre-production planning, storyboarding, production logs, post-production scheduling, and client relationships. Students will work with color video equipment and produce products using the single camera, film-style approach. Prerequisite: COM 119	

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242. Intercultural Communication

3 credits

This course is based on the idea that a culture's communication reflects the beliefs, attitudes and values of that culture. The reverse is also true, that the communication influences the culture. "Culture" is defined broadly to include nationality, ethnic background, gender, age, and other groups. The course focuses on the communication between two or more people of different cultures, examining verbal and nonverbal codes, world view, belief-attitude-value structures, and perceived intention of the communicators. **Prerequisite:** Core 4

243. Persuasion

3 credits

Critical evaluation of the major principles and techniques of persuasion as they relate to public address and informal discussion. **Prerequisite:** Core 2

255. Independent Study

3 credits

260. Topics in Communication and Theatre Arts

3 credits

This course is flexible in content with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include religious communication, film criticism, theatre history, etc.

323. Argumentation and Debate

3 credits

The study of argumentation techniques used in formal and content debating, preparation of the brief, strategy, use of evidence, affirmative and negative structure on current and national issues. **Prerequisite:** Core 4

330. Journalism Ethics (JRN 330)

3 credits

A comprehensive study of legal and ethical considerations inherent to a free press in a free society. More than 200 case histories plus a series of guest speakers add depth and insight to a course that probes ethical codes and value systems in the mass news media. Special emphasis is given not only to how the press functions, but why it functions as it does.

335. Advanced Acting

3 credits

Advanced acting styles and techniques pertinent to the significant periods of the drama. Special attention is given to classical, medieval and Elizabethan modes of acting. **Prerequisite:** COM 116 and Core 3

336. Play Direction

3 credits

Student apprenticeship in the direction of drama under staff supervision.

Prerequisite: COM 116, 225 and Core 3

339. Scriptwriting

3 credits

Non-performing course focusing on writing scripts for radio, television, and film. Students will develop materials for directors, actors, announcers and technicians. Comedy, drama, commercial announcements and film scripts will be covered. Opportunity for self-expression in final project.

344. Organizational Communication (MGT 344) 3 credits

An overview of the process of communication within organizations. Specifically, attention will be given to the functional and cultural perspectives of organizational communication. Course content includes a discussion of informational flow, vertical and horizontal communication, linking pins, communication climate, systems theory, storytelling, and communication audits. Emphasis is placed on understanding the theoretical principles and applying them to common organizational situations.

Prerequisite: Core 3

347. Advanced Audio Production 3 credits

There are two thrusts to this course: laboratory experience in advanced audio production techniques, and an examination of higher level issues and concepts associated with the radio industry. Production techniques covered include two-track audio production and editing, news production and editing, telephone-based production, and basic radio engineering. Among the issues and concepts discussed are contemporary topics addressed in trade publications, music research, ratings interpretation, programming trends, short-wave radio, propaganda, and the broadcaster's social responsibility. **Prerequisite: COM 118**

348. Advanced Video Production 3 credits

A production course dealing with advanced video production and directing techniques. Students' projects are based on advanced lighting principles, animated graphics and editing. Each student will work with state-of-the-art 3/4" electronic editing equipment.

Prerequisite: COM 119.

349. Broadcast Management 3 credits

This course is designed to teach students the basics of mass media administration. The course prepares students for an entry level position in media management. Students will become familiar with every facet of radio-television management, including the new technologies of cable, satellite and interactive communications.

Prerequisite: COM 118,119.

352. Public Relations 3 credits

This is an introductory course designed to provide an overview of the theoretical and practical foundations of public relations. Included is a discussion of organizational attitudes, public opinion, research, persuasive strategies, and image formation. In addition, students are exposed to the concepts of campaign construction, audience selection, media placement, and evaluation. A final project requires a synthesis of ideas into a comprehensive public relations campaign.

353. Survey of Rhetorical Theory 3 credits

This course is a broad survey of rhetorical theory from the early Sophists to modern rhetoricians. This course will examine rhetorical theory and how it has been conceptualized and practiced throughout recorded time. **Prerequisite: Core 4**

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354. Political Communication

3 credits

An examination of the role of the media in politics. The course considers the role of the print, film, radio, and telecommunications media on the political system and the interaction of the political actors with the media.

357. Issues in Mass Communication

3 credits

A study of problems in contemporary broadcasting. The course focuses on televised sex and violence, children and television, broadcast journalism ethics, public broadcasting, and government regulation. The class will work on a pilot study involving one aspect of the course as a final project.

358. Media Law (JRN 358)

3 credits

Study of the legal issues concerning the media including: statutes and regulations governing press, broadcast and films; analysis of defamation, libel, contempt, privacy, copyright, legal rights and privileges of the mass media.

359. Hollywood Workshop

3 credits

The study of contemporary mass media in America. Students gain an inside look at the motion picture, television, and journalism industries by attending a one week "Media Workshops" Summer Seminar in Los Angeles, where they attend lectures, film screenings, television show tapings, and tour motion picture studios and production facilities. On campus students apply production principles by producing an original television program, which may include writing, promotions programming, and casting in addition to the actual production process. **Prerequisite: Consent of the instructor.**

461. Practicum in Communication and Forensics

3 credits

Applied practice in radio/TV theatre. Students working in radio or television participate in projects in the College radio and TV studios. Students working in theatre, participate in stagecraft, production, or direction of theatre productions. Students working in forensics, participate in coaching, planning, and attending tournaments, and coordinating extracurricular activities.

463. Senior Seminar

3 credits

A seminar for seniors who will graduate in the area of communication. Each senior will be required to undertake a project recommended and approved by the professor in whose area of concentration the student has majored. The project, which may take many forms, must demonstrate the student's mastery and expertise in the area of concentration.

Prerequisite: Senior status and consent of instructor, and Core 8.

490. Internship in Communication

1-3 credits

Available to qualified students. Participants will work in College-approved off-campus internship programs at radio stations, television studios, newspapers, theatres, etc.

Prerequisite: Consent of instructor.

COMPUTER SCIENCE

The discipline of computer science involves the study of algorithmic processes that describe and transform information, encompassing theory, analysis, design, efficiency, implementation, and application. The principle subject areas in computer science include algorithms and data structures, architecture, artificial intelligence and robotics, database and information retrieval, human-computer communication, numerical and symbolic computation, operating systems, programming languages, and software methodology and engineering.

The Department offers two major concentrations (Computer Science, Information Systems), four group majors (Mathematics/Computer Science, Management-Marketing/Information Systems, Accounting/Information Systems, Finance/Information Systems), two Associate Degrees (Business/Computer Science and Business Information Management), and a minor in Computer Science. The programs are designed and regularly updated to develop the student's creative yet disciplined problem-solving abilities, to expose the student to current developments in the rapidly evolving field of computer science, and to develop understanding of the social and professional context of the field.

MAJOR IN COMPUTER SCIENCE (46 credits)

REQUIRED: 11 courses (34 credits)

CMP 111 & 112 Computer Science	CMP 336 Org. of Prog. Lang.
CMP 221 Data Structures	CMP 344 Design & Analysis
CMP 222 Computer Architecture	CMP 343 Software Engineering
CMP 333 Operating Systems	MTH 121 Discrete Mathematics
CMP 334 Computer Comm & Networking	MTH 125 Calculus I

ELECTIVES: Any 9 credits in CMP from 110 and above and 3 additional credits from MTH 126 and above.

CONCENTRATION IN INFORMATION SYSTEMS (45 credits)

REQUIRED: 11 courses (33 credits)

CMP 111 & 112 Computer Science	CMP 334 Comp. Comm. & Networking
CMP 221 Data Structures	CMP 340 Information Systems
CMP 222 Computer Architecture	CMP 341 Data Base Concepts
CMP 231 Apps Programming	CMP 343 Software Engineering
CMP 333 Operating Systems	MTH 121 Discrete Mathematics

ELECTIVES: Any 6 credits in Math & 6 credits in Computer Science from CMP 110 and above (MTH 125 recommended).

NOTES: Students majoring in Computer Science and Information Systems are required to complete a project in Software Engineering. This project must be presented to the Computer Science faculty and accepted by the faculty prior to graduation.

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The requirements for group majors in Accounting-Information Systems, Finance-Information Systems, Management/Marketing-Information Systems, and Mathematics-Computer Science, are found under Accounting, Finance, Management, and Mathematics respectively.

CS 001 through 009 do not count towards a major, minor or group major in Computer Science.

In order to take a course with listed prerequisites, the student must have received a grade of C or higher, or obtained the consent of the department.

ASSOCIATE OF SCIENCE DEGREE IN BUSINESS-COMPUTER SCIENCE (60 credits)

REQUIRED: 57 credits

CORE 1, 2, 3, 4

CMP 111 & 112 Computer Science
CMP 222 Computer Architecture
CMP 221 Data Structures
CMP 231 Applications Programming
CMP 343 Software Engineering

MGT 111 Prin. of Management
MKT 112 Prin. of Marketing
ECN 223 Prin. of Economics **OR**
ECN 228 Bus. & Econ. Stats
ACC 101 & 102 Prin. of Accounting

ASSOCIATE OF SCIENCE DEGREE IN BUSINESS INFORMATION SYSTEMS MANAGEMENT (60 credits)

REQUIRED: 57 credits

CORE 1, 2, 3, 4

CMP 001 Intro to Computers
CMP 002 Intro to Spreadsheet
CMP 004 Intro to Database Mgt.
CMP 111 Computer Science I
CMP 112 Computer Science II **OR**
CMP 226 Advanced Computer Aps.
CMP 340 Information Systems

MGT 111 Prin. of Management
MKT 112 Prin. of Marketing
ACC 101 & 102 Prin. of Accounting
FIN 102 Prin. of Finance
ECN 223 Prin of Economics **OR**
ECN 228 Bus. & Econ. Stats
CMP 341 Database Concepts

MINOR IN COMPUTER SCIENCE (18 credits)

REQUIRED: 3 courses (9 credits)

111 & 112 Computer Science

221 Data Structures

Choose: Any 3 courses (9 credits) from Computer Science from CMP 110 and above.

TEACHER EDUCATION REQUIREMENTS:

Computer Science endorsement for teachers: 12 credits in one of the following sequences:

- a) CMP 001, 002, 003, 111, 112, 028
- b) CMP 001, 002, 003, 111, 028, 340
- c) CMP 111, 112, 028, 340

COURSE DESCRIPTIONS**001. Introduction to Computers 1 credit**

This course provides an introduction to computer concepts and terminology as well as a brief overview of computer networks. Basic commands for DOS, Windows, and UNIX operating systems will be covered.

002. Introduction to Spreadsheet and Business Graphics 1 credit

This course will cover fundamental concepts in spreadsheet applications and business graphics. **Prerequisite: CMP 001 or consent of instructor.**

003. Introduction to BASIC programming 1 credit

This course will cover the fundamentals of programming in BASIC on microcomputers. Introductory programming concepts, including the design and implementation of algorithms in structured BASIC are presented.

Prerequisite: CMP 001 or consent of instructor.

004. Introduction to Database Management and Data Communication 1 credit

This course will cover database management concepts for the end user, including topics in communication in a distributed environment. A database management system will be the primary software package. Data communication for the end user in a networked environment will be examined. **Prerequisite: CMP 001 or consent of instructor.**

005. Selected Computer Application 1 credit

This course covers the fundamentals of using a selected computer application. Examples of appropriate applications would include desktop publishing, CAD/CAM, simulation software, expert systems or project management software. This course may be offered as interests dictate. **Prerequisite: CMP 001 or consent of instructor.**

006. Introduction to Keyboarding 1 credit

This course covers the fundamentals of the touch method of keyboarding and aims to develop the student's speed and accuracy.

007. Advanced Keyboarding 3 credits

This course aims at further development of skills and accuracy on the computer keyboard. Number input and formatting skills for business documents are also covered.

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009. Independent Study in Computer Applications

1-3 credits

(Does not count towards a major or minor in Computer Science). All proposals for independent study must be approved by the instructor. **Prerequisite: Instructor's Approval.**

028. Computer Based Teaching Methods

3 credits

Desk work shall include the study of the use of the microcomputer for tutorials, drills, and simulations for use in the classroom. Research related to sources of instructional computing software will be done by the students working either individually or in teams. Students will work in teams to produce at least one CAI tutorial using "SuperLink" on the PC and/or "Hypercard" on the Macintosh computer. The LASER videodisk and CD ROM units controlled by these computing packages will be utilized in these activities. The student teams will write and run programs using recursive procedures with the Logo "turtle" as well as write and execute simple programs using arithmetic algorithms in Logo. The student teams will also have hands-on experience with the presentation package "PowerPoint" -- using a digital camera where appropriate -- and will use a spreadsheet to find numerical solutions to some algebraic exercises. This course does not count toward a major, group major, minor, or associate degree in Computer Science.

110. Overview of Computer Science

1 credit

This course is designed to give the student a broad overview of the rich and diverse field of computer science. The following topics that may be covered in this class are: historical overview, programming, networks and communications, artificial intelligence and robotics, computer hardware, parallel processing, information systems, ergonomics, windowing environments, ethical issues, impact of computers on society, and careers within the discipline.

111. Computer Science I

3 credits

This is an introduction to programming using the C++ language. Emphasis is placed on the development of programming skills: problem solving techniques, top down design methodology, structured programming, and testing and debugging of programs. Topics include computer system structure, the syntax of the C++ language, control structures, data types, procedures, functions, parameters, scope, arrays, strings, and records. Includes a weekly laboratory.

112. Computer Science II

3 credits

This course builds upon CMP 11, refining programming skills in the area of design, development, testing, and debugging. Covered topics include the implementation of simple searching, sorting, and merging files, pointers and records, classes simple data structures, and recursion. Emphasis will be on larger scale programming projects. Includes a weekly laboratory. **Prerequisite: CMP 111.**

221. Data Structures

3 credits

This course covers data structures and algorithms. Topics covered include data structures, data abstraction and object-oriented design, and algorithm analysis. The design and implementation of lists, stacks, queues, trees, and graphs as well as searching,

sorting, and merging algorithms are covered. Issues in memory and storage management are investigated. **Prerequisite:** **CMP 112.**

222. Computer Architecture 3 credits

This course is intended to introduce students to topics at the hardware and assembly language levels. Topics include data representation, microprocessor design, simple digital circuits, busses and memory. The students will also be exposed to topics in assembly language such as addressing modes, microprocessor instruction sets, interrupts, and operation codes. **Prerequisite:** **CMP 112.**

226. Advanced Computer Applications 3 credits

This course provides the student with the opportunity to apply computer software packages to appropriate projects. Software packages may include spreadsheets, graphics, database management, desktop publishing, communications and project management. The emphasis will be on applying the software packages to the management of information and problem solving in business **Prerequisite:** **CMP 001-002 or CMP 111, or consent of instructor.**

231. Applications Programming 3 credits

This course presents principles of business information systems programming. Emphasis on file-handling, including sequential and random access files, and database programming. **Prerequisite:** **CMP 112**

237. Selected Computer Language 1-3 credits

A computer language is studied in this course. A focus is on developing applications which make use of the paradigms supported by the language. **Prerequisite:** **CMP 111 and Junior standing or consent of instructor.**

239. Numerical Analysis (MTH 239) 3 credits

This course develops algorithms involving iteration to approximate solutions to various kinds of problems. It studies finite differences, interpolating polynomials for numerical differentiation and integration, as well as the solution of equations and differential equations. The hand calculator and personal computer are the normal tools for this course. **Prerequisites:** **CMP 111 and MTH 126.**

249. Computer Graphics 3 credits

Interactive computer graphics techniques, graphics primitives, transformations, segments, windowing, clipping, three-dimensional graphics. **Prerequisites:** **CMP 112 and MTH 125.**

255. Independent Study 1-3 credits

All proposals for independent study which are intended to count towards a major or minor in Computer Science must be approved by the instructor who must be a member of the Computer Science Department. In addition, the results of the study must be presented to the Computer Science Department. **Prerequisite:** **Computer Science Instructor's Approval.**

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333. Operating Systems

3 credits

This course examines the design and implementation of computer operating systems, which are the programs that act as resource managers in computer systems. Topics include fundamentals of processes and timesharing, primary and secondary storage management, input/output processing and user-machine interfacing.

Prerequisite: CMP 221.

334. Computer Communications and Networking

3 credits

This course will examine principles and practices used to effect communications between computers, hardware devices, and other computers. Included will be examination of ports, communications servers, serial, parallel, local area and wide-area networks, Ethernet, and the TCP/IP protocol. **Prerequisite: CMP 333.**

336. Organization of Programming Languages

3 credits

This is an applied course in programming language constructs emphasizing the run time behavior of programs. Topics include data types and structures, control structures and data flow, subroutines, recursion, dynamic storage allocation, and formal language concepts. **Prerequisite: CMP 221.**

339. Digital Elements (PHY 239)

4 credits

In addition to a review of digital arithmetic and Boolean algebra, this course includes the following topics: logic design through the use of digital multiplexors and integrated circuit logic gates; flip-flop storage elements; combination logic circuits; counting circuits; and shift registers. Laboratory work involves the design and implementation of various digital logic units from simple combinational logic circuits to complex sequential logic circuits, by means of small-scale and large-scale integrated circuitry. Three lectures and one three-hour lab each week. **Prerequisite or corequisite: CMP 333.**

Prerequisite: PHY 121-122 or consent of instructor.

340. Information Systems

3 credits

This course provides background by defining and explaining technical, behavioral, economical, and organizational concepts relevant to information needs for decision making. The student is introduced to financial, technical, and strategic-planning information systems. The design, planning, organizing, and controlling of user services, and the management of systems are key elements of the course.

Prerequisite: CMP 110 or CMP 111 and Junior Standing.

341. Data Base Concepts

3 credits

This course introduces logical and physical data structures, database design, design objectives, commercial database management systems, and database administration. Hierarchical, network, and relational models are introduced along with such concepts as query languages, data dictionaries, and distributed networks. **Prerequisite: CMP 221.**

343. Software Engineering

3 credits

This course presents a formal approach to state-of-the-art techniques in software design and development. An integral part of the course is the involvement of students

working in teams in the organization, management, and development of a large software project. **Prerequisites:** **CMP 221.**

344. Design and Analysis of Computer Algorithms 3 credits

This course covers the theory, design, implementation, and analysis of algorithms in depth. Topics covered include methods of algorithm analysis and verification; algorithmic strategies such as divide and conquer, dynamic programming, and backtracking; complexity classes; sorting, searching, and pattern matching; graph and tree processing; optimization algorithms; theory of computability and undecidability; and parallel and distributed algorithms. **Prerequisite:** **CMP 221.**

349. Topics in Computer Science 3 credits

This course investigates one or more current topics in the field of computer science. **Prerequisite:** **CMP 221 and junior standing.**

390. Computer Science Internship 3-6 credits

Students who qualify may be placed with a company according to availability of internship positions and college regulations. Consult the department chair for requirements.

450. Computer Interfacing and Networking (PHY 450) 4 credits

This course deals with serial and parallel device-interfacing techniques. Topics will include DMA transfers and fundamental concepts of computer networking in distributed systems. Applications of these techniques will be made in the laboratory. Three lectures and one three-hour lab each week. **Prerequisites:** **CMP 221 and CMP 333.**

451. Senior Project in Hardware Design (PHY 451) 3 credits

A proposal for the project must be presented to the computer science faculty for approval, after which it may be carried out under the direction of a faculty member. The student will make an oral presentation of the completed project to the Department. **Prerequisite:** **CMP 450 or consent of the instructor.**



94 Criminal Justice

CRIMINAL JUSTICE

The department of Sociology offers a major in criminal justice for those interested in pursuing careers in law enforcement, in prevention of crime and rehabilitation of criminals and in criminal law. The program is essentially humanistic and based on the assumption that both individuals and institutions are responsible for their behavior. Two characteristics distinguish this approach: 1) it is scientific in studying phenomena; 2) it studies phenomena as human interaction.

Criminal Justice is an interdisciplinary field so this program includes courses in a variety of disciplines: some designated as criminal justice, sociology, political science and psychology. This major is designed to prepare students for immediate employment or for continuing education on the graduate level. Employment as law enforcement officers, probation officers, practitioners in preventive or rehabilitative work, and the practice of law are careers which criminal justice majors might pursue.

MAJOR IN CRIMINAL JUSTICE (36 credits)

REQUIRED: 10 courses (30 credits)

PSY 110 Intro Psychology	SOC 223 Research Methods
SOC 111 Intro Sociology	CJ/SOC 332 Crime Prevention
CJ/SOC 113 Intro Criminal Justice	CJ/SOC 333 Corrections
CJ/SOC 117 Juvenile Justice	CJ/SOC 446 Criminal Law
CJ/SOC 220 Criminology	
HSV 228 Pract. Family & Groups	OR HSV 229 Individuals

Choose 3 credits from:

SOC/HSV 114 Social Problems	SOC 227 Race and Ethnicity
SOC/PSY 119 Marriage and Family	SOC 442 Urban Community
HSV 142 Contemporary Social Policy	PSY 326 Theories of Counseling

Choose 3 credits from:

SOC/POL 302 Political Sociology	SOC 447 Law and Society
POL 404 Constitutional Law: Bill of Rights	

MINOR IN CRIMINAL JUSTICE (18 credits)

REQUIRED: 4 courses (12 credits)

SOC 111 Intro to Sociology	CJ/SOC 113 Intro Criminal Justice
PSY 110 Intro to Psychology	CJ/SOC 220 Criminology

Choose 3 credits from:

CJ/SOC 117 Juvenile Justice	CJ/SOC 333 Corrections
CJ/SOC 332 Crime Prevention	CJ/SOC 446 Criminal Law

Choose 3 credits (1 course from either or both of courses not chosen above)

SOC/HSV 114 Social Problems	SOC 227 Race and Ethnicity
SOC/PSY 119 Marriage and Family	SOC/POL 302 Political Sociology

HSV 142 Contemporary Social Policy
HSV 228 Family and Groups
HSV 229 Individuals

PSY 326 Theories of Counseling
POL 404 Const. Law: Bill of Rights
SOC 442 Urban Community
SOC 447 Law and Society

COURSE DESCRIPTIONS

Courses specific to Criminal Justice are described below and in the respective departments: HSV/Human Services, POL/Political Science, PSY/Psychology and SOC/Sociology

113. Introduction to Criminal Justice (SOC 113) 3 credits

This course will offer students an overview of the entire field of criminal justice. This course will introduce students to: elements of criminal law, profiles of offenders, profiles of victims of crime, the prevalence of crime, the enforcers of law, and the punishment of criminals. The course will also include information about the prevention of criminal activity.

117. Juvenile Justice (SOC 117) 3 credits

This course involves a study of the juvenile justice system. Areas of focus include: types of offenders, the extent of the juvenile delinquency problem, historical developments in the handling of juvenile offenders, and the current structure, objectives, responsibilities, and functions of the juvenile justice system.

220. Criminology (SOC 220) 3 credits

Study of the factors that cause crime and criminal behavior, organization of criminal behavior, theories and practices of criminal control and rehabilitation.

332. Crime Prevention (SOC 332) 3 credits

This course will emphasize the prevention of criminal activity. This includes strategies to help prevent oneself from becoming a victim, and to protect one's property. We will learn about a variety of crime prevention programs used by police from all over the country. Special emphasis will focus on identifying problems, stopping criminal activity, and preventing future criminal activity.

333. Corrections (SOC 333) 3 credits

This course focuses on institutions of corrections, particularly jails and prisons. It will include the changing nature of institutions of incarceration, and current problems faced by wardens, guards, and inmates, and on the changing nature of the inmate population. Attention will also be given to alternatives to incarceration.

446. Criminal Law (SOC 446) 3 credits

Criminal law is the body of law defining crimes. Cases and statutes describing the essential elements of substantial criminal law will be analyzed. Crimes prohibited by Acts of Congress and triable in federal court as well as those prohibited under state law and triable in state courts will be among the topics studied.

96 Economics

ECONOMICS

The program in Economics has the following objectives: 1) to provide methods of inquiry which enable the students better to understand how modern economic systems function; 2) to develop the students' critical, analytical, and problem-solving capabilities as part of a preparation for careers in business and government or for graduate study in economics, business, or law.

MAJOR IN ECONOMICS (36 credits)

REQUIRED: 5 courses (15 credits)

- 223 Principles of Economics: Microeconomics
- 224 Principles of Economics: Macroeconomics
- 228 Business & Econ Statistics
- 333 Intermediate Price Analysis
- 334 Intermediate Income Analysis

ELECTIVES: Any 21 credits from Economics. (Up to 9 credits may be taken from ACC 101, ACC 102, MTH 125, PSY 230, SOC 223).

MINOR IN ECONOMICS (18 credits)

ELECTIVES: Any 18 credits in Economics

TEACHER EDUCATION REQUIREMENTS:

Teaching major in business: MGT 110, 111, 344, 222; MKT 112; FIN 102; ACC 101, 102; 205 or 206. Computer Science 007, 111-112; Elect 3 credits ACC 203 or above. ECN 223-224, 228. College major in accountancy, economics, finance, management, or marketing.

The economics major may also choose a social studies teaching major: ECN 223, 224, 228, 334, 333, 440; POL 101, 102 and 6 credits from 405, 209, 304, 403, 406; HST 125 and the major in economics.

NOTE: ECN 223 and 224 are prerequisites for all courses except ECN 201 and 228.

COURSE DESCRIPTIONS

201. Economics for Middle School Teachers

3 credits

An overview of economic principles are exemplified by texts in common usage in middle school social studies programs.

223. Principles of Economics: Microeconomics

3 credits

A study of the principles and problems connected with the production, exchange and consumption of economic goods. Prerequisite: MTH 019 or Economics Department approval.

224. Principles of Economics: Macroeconomics 3 credits

A study of the principles and problems connected with the level and fluctuation of national income and employment, the economics of growth, and the principles of international trade. **Prerequisite:** MTH 019 or Economics Department approval.

228. Business & Economics Statistics 3 credits

An introduction to the fundamentals of modern statistics. Topics include the following: collection and organization data, descriptive statistics, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in business and economic problems. **Prerequisite:** MTH 019 or a higher level math course, not MTH 111.

308. International Finance (FIN 308) 3 credits

Examines the effects of trade on national income and production, the various policies that can be used to correct balance of payments problems, and the alternatives to the present international monetary system.

333. Intermediate Price Analysis 3 credits

An intensive study of the theory of price in both the output and input markets with special emphasis on the application of modern tools of analysis to concrete business and public problems.

334. Intermediate Income Analysis 3 credits

An intensive study of national income accounting and the theory of national income determination with special emphasis on the policy implications of the analysis.

335. Money and Banking 3 credits

A study of monetary standards, banking principles, and monetary theory with emphasis on the financial institutions of the United States.

437. Government and Business 3 credits

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as it applies to the maintenance of competition.

439. Comparative Economic Systems 3 credits

A study of the economic systems existing in the contemporary world with special emphasis on the comparison of these systems with the mixed enterprise system of the United States.

440. Public Finance 3 credits

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation, public debt, governmental budgeting, and fiscal policy.

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442. American Economic History (History 442)

3 credits

Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.

443. Labor Economics

3 credits

The course concentrates on the size and composition of the labor force, the history of the labor movement, the issues involved in collective bargaining, wages and credits, unemployment, and social security.

450. Seminar

3 credits

The seminar will be directed to a discussion of current issues in economics which are not covered in the content of other courses.

454. Social Science Seminar (HST 454, SOC 454, PSY 454, POL 454)

3 credits

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social science and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

455. Independent Study

1-3 credits

459. Topics in Economics

3 credits

490. Economics Internship

3 credits

Selected students in economics will be given three credits for completion of an internship with a financial institution. The students must be in the junior year and the internship will be offered during the fall or winter semester.

The student will be introduced to the general operations of the firm and will also work on specific projects. The student will be required to submit periodic activity reports and a summary paper at the end of the semester. Also, the student will provide a presentation to an appropriate economics class to share the experience with other interested students and economics majors.

EDUCATION

All teacher education programs for early childhood, kindergarten, elementary, middle, junior high and secondary pre-service teachers have been approved by the State of Indiana Professional Standards Board (IPSB). Saint Joseph's College is also accredited by the National Council for the Accreditation of Teacher Education (NCATE) which assures reciprocal certification in many states. In addition to the two accrediting organizations, the College is following the Interstate New Teacher Assessment and Support Consortium (INTASC) standards for beginning teachers.

Students who wish to pursue teacher certification should obtain and study the booklet Teacher Education Programs at Saint Joseph's College (TEPAB) which is available in the Education Department or the office of the Vice President for Academic Affairs. All teacher education students must apply for admission to the Teacher Education Program during September of their junior year. All teacher education majors must apply for admission into student teaching during January of their junior year. A minimum 2.50 G.P.A. is required. Application forms may be picked up from the secretary in the Education Department.

All teacher certification programs require a minimum of 124 semester credits.

There are five IPSB/NCATE certified programs offered at Saint Joseph's College: Early Childhood, Kindergarten, Elementary (1-6); all grade (K-12); and Senior High, Junior High/Middle School (5-12). Within each area there are specific endorsements and/or teaching minors as follows:

Elementary (1-6) certification with State teaching endorsements or teaching minors possible in: coaching, computer science, driver education, health and safety, kindergarten, reading and mild disability; and with the possible addition of middle school endorsement and teaching areas in: language arts, science, social studies, mathematics, French, German, Spanish, and conservation.

All Grade (K-12) certification in physical education and music, with the possible addition of all junior high/middle and secondary teaching majors and teaching minors. **Senior High, Junior High/Middle School (5-12)** with teaching majors and minors in business education, (accountancy, economics, finance, management, marketing), English, mathematics, social studies (economics, world civilization, American history, sociology, psychology, government), science (biology, chemistry, geology, physics, general science, physical science), and speech; with additional teaching minors or endorsements in: driver education, reading, coaching, health and safety, conservation and environmental studies, French, German, Spanish, computer science, general mathematics and mild disability. (The specific course requirements for each teaching major and teaching minor or endorsement are listed under the specific department.)

The teacher education program at Saint Joseph's College is based on the following premises in preparing pre-service students in becoming Teacher as Christian Professional:

Premise 1: Today's teachers must possess a trans-disciplinary view of a diverse, complex, and rapidly changing world and they must be capable of managing change within that world. Accordingly, teachers need these skills: effective communications

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ability, problem solving ability, analytical capability, effective social interaction, and an understanding of human development and learning.

Premise 2: Since an effective teacher must have a broad general education and knowledge of their subject matter as well as professional preparation, an institution-wide committee must control teacher education.

The Teacher Education Committee (TEC) at Saint Joseph's College controls all facets of the Teacher Education Program (TEP) and is composed of members from the education department, representatives chosen from the academic areas, representatives from the K-12 teaching profession and student representatives. This group controls the curriculum, prescribes and controls admission standards, and develops the objectives for each program. It also acts as the appeals route for decisions of the education department and its chairperson. Appeals are to be received within five class days after the student has received the official communication. Appeals from the Teacher Education Committee are made to the Vice-President for Academic Affairs within five class days after receiving notice from the Teacher Education Committee. Saint Joseph's College assures students due process in all matters. If students feel that rights have been violated, they may also consult with their faculty advisor, departmental chairpersons, and the President of the College.

Premise 3: The teaching profession requires competent personnel, capable of effective teaching and of managing their own lives.

In order to accomplish this objective, the Teacher Education Program provides for continual assessment at each level of experience. Thus, pre-service teachers have early field experiences which are supervised both by the College and by the K-12 school personnel. In accompanying seminars and classroom lectures, pre-service teachers are expected to know, have positive dispositions towards and be able to demonstrate the following skills:

1. effective social behavior in a variety of situations and circumstances, beyond and in the classroom, involving diverse cultures or subcultures in large and small groups and with individuals;
2. understanding and acceptance of personal responsibility in managing their own lives;
3. ability to analyze educational programs and organizations in terms of philosophical implications for the instruction of group and individual needs;
4. application of technological and other problem-solving techniques in the consideration of educational problems;
5. perception of educational concerns and issues such as classroom motivation and management skills, using multiple instructional strategies, and assessing pupil learning within the dimension of the total educational structure and application of problem solving techniques in resolving them;
6. giving evidence of understanding theories of human development and learning by adequately analyzing the classroom situation and applying these theories effectively through appropriate instructional skills, establishing partnerships with various school patrons and being a professional committed to the excellence of teaching.

Premise 4: Pre-service teachers prepared in our program will be asked to perform in a variety of school settings. The professional sequence, accordingly, makes possible for students a sound knowledge base in psychological, social, cultural, historic, and philosophical foundations of education. Theory is integrated into practice through the use of observations and consistent and continued practice early in the pre-service teacher's career.

Premise 5: As a resident college, Saint Joseph's offers co-curricular cultural and social activities likely to develop the personal qualities and social skills necessary for the development of a professional person.

Premise 6: An committed faculty interested in new approaches to educational problems with experience at the elementary, middle or junior high, and secondary school levels tends to produce similarly committed teachers.

MAJOR IN ELEMENTARY EDUCATION (37 credits)

REQUIRED: 12 courses (37 credits)

- EDC 114 Educ Psych: Childhood, Adolescence & Youth
- EDC 171 Language Arts for Elementary Teachers
- EDC 172 Developmental Reading for Elementary Teachers
- EDC 273 Reading Assessment Skills for Elementary Teachers
- EDC 274 Children's Literature
- EDC 321 Social Foundations
- EDC 361 Exceptional Children in the Classroom
- EDC 370 Methods in Science for Elementary Teachers
- EDC 375 Methods in Social Studies for Elementary Teachers
- EDC 410 Christian Education and the Human Situation
- EDC 443 General Methodology
- EDC 498 Student Teaching: Elementary/Early Childhood/Kindergarten

REQUIRED: 9 courses needed for Indiana teaching license (22 credits)

- ART 147 & 148 Art Foundations I & II
- MUS 170 & 171 Musical Preparation for Elementary Classroom Teachers I & II
- PE 215 Activities for Elementary Grades
- ENG 230 Grammar and Expression
- ENG 231 Advanced Writing
- HST 121 or 122 or 442
- ECN 223 or 224 or POL 101

ASSOCIATE OF SCIENCE DEGREE IN EARLY CHILDHOOD EDUCATION (64 credits)

This two-year program is for those desiring to be qualified as a licensed Day Care Center Director through the Bureau of Child Development.

For those desiring Certification in Early Child Development, 30-40 credits are required from the courses below. All courses except Core lead to a Child Development Associates certificate.

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REQUIRED:

CORE 1, 2, 7, 8
ACC 101 Prin of Acct I
ART 147 Art Foundations I
BIO 101 Human Biology
MTH 002 or 004/006
MUS 171 Music Prep
PE 224 First Aid
PSY 123 Human Development
EDC 114 Educational Psychology

EDC 171 Language Arts
EDC 172 Devel. Reading
EDC 267 Physical Activities
EDC 274 Children's Lit.
EDC 362 Intro Lrng. Prob.
EDC 365 Early Childhood Ed.
EDC 366 Parent Education
Freshman Seminar

Choose 3 credits from:

CMP 001 Intro to Computers
CMP 002 Intro to Spreadsheets
CMP 003 Intro BASIC programming
CMP 004 Intro to Database Mgt.
CMP 005 Selected Computer Ap.
CMP 028 Computer Based Teaching Meth.

MINOR IN MATH-SCIENCE (For elementary ed majors) (18 credits)

REQUIRED: 8 courses (18 credits)

MTH 001 The Real Number System & Finite Mathematics for Teachers
MTH 002 Geometry for Teachers
MTH 003 Statistics and Probability for Teachers
MTH 004 Methods of Teaching Mathematics
MTH 005 Computer Based Teaching Methods
MTH 006 Problem Solving as a Process

Choose 6 credits from: BIO 104, CHM 001, GEO 111, GEO 112 or PHY 001, or any other science lab course.

MINOR IN SECONDARY EDUCATION

To become a licensed teacher at the Senior High, Junior High/Middle School level students must take the education courses listed below which constitute a college minor in Secondary Education. Students seeking secondary education certification are encouraged to earn additional teaching minors and teaching endorsements.

REQUIRED: 7 or 8 courses (25-27 credits)

EDC 114 Educational Psychology: Childhood, Adolescence and Youth
EDC 277 Reading in the Content Areas-Grades 5-12
EDC 321 Social Foundations of Education
EDC 345 Curriculum and Organization: 1-8 (PE and Music majors)
EDC 380-387 Special Methods Course
EDC 410 Christian Education and the Human Situation (Core 10)
EDC 443 General Methodology
EDC 499 Student Teaching: Secondary

NOTES: Important information about all Teacher Education Programs may be found on page 52 under Academic Policies.

COURSE DESCRIPTIONS

A 2.50 cumulative index or higher is required to register for education courses marked with an *.

114. Educational Psychology: Childhood, Adolescence and Youth 4 credits

Principles of human growth and development. Emphasis on cognitive, psychomotor and affective development with discussion of ethnic, cultural, and disability awareness. Focus on the development of children's learning in the classroom. Must be taken by all students seeking teacher certification. Offered both semesters each year. MF 11:00-12:15. PLE will be on Wednesday in the local schools for early childhood and elementary majors. Secondary education students will have PLE at Middle Schools. PLE will be comprised of 40 clock hours. Must be taken by all prospective students in the Teacher Education Program during the first or second semester of the freshman year. Elementary education majors normally take it in the first semester of the freshman year. Secondary education students normally take it in the second semester of the freshman year at Rensselaer Central or Kankakee Valley Middle School. Elementary and Early Childhood majors begin a two year professional commitment with classroom teachers in local schools with this course.

171. Language Arts for Elementary Teachers 2 credits

An introduction to the language arts segments of reading instruction in the elementary school. Methods of language development, handwriting and spelling are included. The study of ethnic, cultural and linguistic differences and their effects on emergent literacy are explored. Technological software is introduced in this course. Students are exposed to a variety of instructional strategies with a field trip to a school in an urban setting. EDC 171 is offered during the first semester each year. T: 1:00-2:50.

172. Developmental Reading for Elementary Teachers 3 credits

A detailed study of basic and developmental reading programs and methods. A continued study of ethnic, cultural and linguistic differences, and their effects on emergent literacy are examined. Legal issues are introduced. M 2-2:50 & T 1-1:50. This course is taken in the second semester of the freshman year. Students will continue in their all day PLE on Wednesday working with classroom teachers and adapting instruction for individual needs.

230.* Middle School Language Arts (English 230) 3 credits

A study of the nature of language that underlies the range of stylistic choices of expression in a variety of literary genres. Students will be expected to recognize basic sentence structures and the transformation of basic structures designed to achieve rhetorically and stylistically more effective writing. Students will be required to analyze as well as to write a variety of kinds of prose.

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255. Independent Study

1-3 credits

267. Physical Activities for the Young Child

2 credits

Designed to develop knowledge of creative play that is developmentally appropriate for the young child. Skill in providing creative and play experiences including the importance of movement and health concepts for young children. Instructional planning for children in a local school is an integral part of the course.

268. The Exceptional Learner Grades: 5-12

3 credits

The course is organized to assist the junior high, middle school, secondary pre-service and classroom teacher who must meet special students needs through the inclusionary model now found and being implemented in most schools today. Foundations, classifications, and legal implications of inclusion will be addressed. Instructional methods, organizations for instruction, the IEP, placement procedures, case conferences and the role of the regular teacher with special learners will be treated. Parent partnerships will also be highlighted. This course should be taken in the second term of the sophomore year. Clinical and/or field experiences, comprising approximately 40 clock hours is to be included.

273* ReadingAssessment Skills for Elementary Teachers

3 credits

Emphasis is on the assessment of reading difficulties and appropriate corrective methods for individual learning needs. Diagnostic and evaluative skills are developed through the use and analysis of formal and informal tests and materials. Offered first semester each year: TR 2:00-3:15. All day PLE continues with classroom teacher and pupils in local schools. Must be taken by all early childhood and elementary education majors during the sophomore year.

274.* Children's Literature

2 credits

A survey of diverse traditional and contemporary literature for children from kindergarten through junior high school. Emphasis is placed on types of literature, methods of use, authors and illustrators. Techniques of introducing children to literature and in developing and extending the appreciation of it through the use of various forms of technology. Emphasis is on the integration of language, creative, and performance arts as effective communicative skills. Offered second semester each year: TR 2:00-2:50.

277.* Reading in the Content Areas-Grades 5-12

4 credits

This course is to help to develop understanding of reading problems as they relate to learning, instruction, and evaluation in the specific content areas. Adaptations necessary for the successful inclusion of special needs students are discussed. Cultural and ethnic differences are addressed. Legal responsibilities for special students will be discussed as stipulated under current State and Federal laws. Offered first semester each year: TR 11:00-12:35. Clinical and/or field experiences, comprising approximately 40 clock hours. One morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other classes for this professional laboratory experience. This experience will normally be taken at Kankakee Valley Middle or Senior High School or Rensselaer Central Middle or Senior High School.

290. Professional Laboratory Experience: Elementary 1 credit

This professional laboratory experience provides an extended learning experience in the local schools. It is designed for early childhood and elementary education majors and for students who transfer into the College and into the Education Department for the preparation of being certified at the Kindergarten/elementary/middle school levels. Clinical and/or field experiences comprising approximately 40 clock hours. Must be taken prior to the student teaching experience. Offered every semester. EDC 290 is taken second semester sophomore year along with EDC 274 and taken first semester junior year along with EDC 370 and 375. Pre-service teachers will be placed at the elementary or middle school levels. A letter grade is assigned to this one hour course. Fee \$26.00.

291. Professional Laboratory Experience: Secondary 1 credit

This professional laboratory experience is designed for students who transfer into the College and into the Education Department for the preparation of being certified at the junior high/middle/secondary school levels. Clinical and/or field experiences, comprising approximately 40 clock hours. Must be taken prior to the student teaching experience. Offered every semester. One morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other courses for this professional laboratory experience. Pre-service teachers will be placed at the middle or secondary school levels. This PLE may also be an option for those pre-service teachers needing an additional PLE before student teaching. A letter grade is assigned to this one credit course. There is a fee of \$26.00

321. Social Foundations of Education 3 credits

The historical basis of the present educational system and its social impact and future implications are addressed. Diversity is emphasized and legal issues are examined. EDC 321 is to be taken in the junior year. Offered both semesters each year: MWF 1:00-1:50. All day school experience in a diverse and urban setting is provided. Elementary education majors are to take this course in the second semester of their junior year. Secondary education minors are to take this course in the first semester of their junior year. This PLE is at Andrean High School, Merrillville, IN.

345. * Curriculum and Organization: 1-8 2 credits

A course specially designed for all-grade teaching majors in music and physical education. In addition to a discussion of the general elementary curriculum, the course also considers the organization of middle school programs. Offered second semester each year: TR 11:00-11:50.

361.* Exceptional Children in the Classroom (PE 361) 4 credits

Theory, techniques and methodology relative to the exceptional children in the classroom. This course compares and contrasts the typically developing student with the exceptionally developing student in areas of physical, emotional, communicative and learning abilities/disabilities. The use of inclusionary practices, an individualized education program (IEP), and related services are explored. Current legal issues are examined. Required of ALL elementary education majors. Offered second semester each year. Clinical and/or field experiences comprising approximately 40 clock hours.

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Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the College.

362.* Introduction to Learning Problems

4 credits

This course focuses on differences among the various types of exceptionalities, types of mild learning disabilities, basic concepts, history, incidence, and implications relating to academic performance in all areas. Partnerships with families and concepts of assessment are introduced. A one credit field or clinical experience is required with the course. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the College. Fee \$26.00. **Prerequisite: 2.50 cumulative GPA. Offered second semester of each year.**

365. Early Childhood Education

4 credits

Theory, techniques, methods, and materials relative to children in preschool, kindergarten, and primary grades will be emphasized. The course provides inquiry into developmentally appropriate practice, curriculum models, and assessment. Clinical and/or field experiences in early childhood and/or kindergarten classrooms will include 40 clock hours in school settings in one of the several school corporations contiguous to the College.

366. Parent Education

3 credits

This course is a study of the nature of parenting as it affects the child, the teacher, the parents, and the community. Encouraging and increasing family communication and involvement as well as skills in working with diverse parents are a few concepts included in the theory and practice of the course. Clinical and/or field experiences will comprise approximately 40 clock hours and include, but are not limited to, organizing and implementing family programs in local community agencies.

370.* Methods in Science for Elementary Teachers

2 credits

Techniques and methods of teaching elementary science to diverse students are developed. Curriculum development, laboratory methodology, individual and group assessment, computer-assisted instruction are emphasized. Offered first semester of the junior year. T 4-5:50. \$26.00 fee. **Prerequisite: EDC 361**

375. Methods in Social Studies for Elementary Teachers

2 credits

Techniques and methods of teaching elementary social studies to diverse students will be developed. Curriculum development, instructional technology media, and pupil assessment are included. To be taken along with Core 7. Offered first semester of the junior year. T 9-10:50.

378. Reading Assessment Skills for Middle or Junior High and Secondary Schools

3 credits

This courses develop understanding of reading problems encountered by pupils of this age level in subject-oriented materials. The curriculum and organization of the elementary school shall be reviewed as a foundation for the treatment of specific difficulties in each content area. Informal and formal assessment of reading levels and

techniques to promote individualized and inter-disciplinary learning is stressed. Adaptations for inclusions are discussed. Offered first semester each year: MW 2:00-3:15.

SPECIAL METHODS COURSES FOR MIDDLE, JUNIOR HIGH AND SECONDARY TEACHERS

Each pre-service teacher preparing for middle, junior high and/or secondary teaching is required to take the methodology course appropriate for the major teaching area. Completion of this course is a requirement for certification and enrollment is limited to teacher education students. Instructional planning skills, laboratory methodology, adapting instruction for individual needs and assessment are developed. The pre-service teacher will be exposed to tools of inquiry and the structure of the discipline he or she plans to teach. Offered second semester each year. Normally the pre-service teacher will take this course in the junior year, as it cannot be taken with student teaching. Most of these courses are offered in the late afternoon or early evening.

EDC 380:* The Teaching of Language Arts:	5-12	2 credits
EDC 381:* The Teaching of Science:	5-12	2 credits
EDC 382:* The Teaching of Mathematics:	5-12	2 credits
EDC 384:* The Teaching of Physical Education:	5-12	2 credits
EDC 385:* The Teaching of Music:	5-12	2 credits
EDC 386:* The Teaching of Social Studies:	5-12	2 credits
EDC 387:* The Teaching of Business:	5-12	2 credits

410. * Christian Education and the Human Situation (Core 10) 3 credits

This course is a seminar of contemporary educational problems in the perspective of Christian humanism. Special attention is given to the philosophical and ethical aspects of these contemporary issues in their historical perspective. Cultural diversity and ethical concerns of the community are explored. (This course is to be taken with or following Core 9.)

443.* General Methodology, Organizational Principles and Classroom Management for Middle and Secondary Teachers 2 credits

Classroom management, teaching process, instructional technology and media, assessment theory, general principles of curriculum development, and adapting for individual needs as practiced in the classroom are developed. This course must be taken by all pre-service teachers along with student teaching. This course is offered in both terms on Mondays from 6:30 to 7:30 p.m. The course is taken the semester prior to and during student teaching.

459. Topics in Education (graduate or undergraduate) 3 credits

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463.* Identification of Specific Mild Disabilities

4 credits

This course concentrates on assessment procedures and techniques, agencies, personnel, and materials used in identification of mild disabilities. Students learn to administer, evaluate, and interpret various formal and informal tests. Procedures for using the acquired diagnostic information in writing IEP's is also covered. A one credit field or clinical experience with MD students is required. Pre-service teachers will be placed in a traditional or inclusionary education classroom in one of the seven school corporations contiguous to the College. Adaptive technology is introduced. Research projects are a foci in the course. \$26.00 fee. Prerequisite: **2.50 GPA. EDC 361 and EDC 362.**

464.* Methods and Materials for the Learning Disabled Students

4 credits

General and specific techniques and materials for use with the learning disabled student in special classes or traditional education classroom are covered. Practice in the utilization of these methods and materials at all grade levels will be provided. A one credit field or clinical experience is required with this course. Partnership concepts, family conferences, and technology are also discussed. Pre-service teachers will be placed traditional and/or inclusionary education classroom in one of the seven school corporations contiguous to the College. Fee \$26.00. Prerequisite: **2.50 GPA. EDC 361, 362 and 463.**

PROFESSIONAL LABORATORY EXPERIENCES (PLE)

The professional laboratory experiences are designed to give prospective pre-service teachers an opportunity to practice their knowledge, skills, and dispositions in actual school settings.

497.* Professional Laboratory Experiences: Pre-Student Teaching

1 credit

Field experiences comprising approximately 40 clock hours. Prerequisite: **2.50 cumulative GPA.**

498.* Student Teaching: Early Childhood/Kindergarten/Elementary

10 credits

This is a semester's program of observation and teaching in an accredited elementary school. For the grading system in EDC 498 see Pass/Not Pass option. To be taken with EDC 443. Student teaching is completed at one of seven school corporations contiguous to the college.

Prerequisite: Teacher Education Committee approval; 2.50 cumulative GPA.

499.* Student Teaching: Secondary

10 credits

This is a semester's program of observation and teaching in an accredited middle or secondary school. For the grading system in EDC 499 see Pass/Not Pass option. To be taken with EDC 443. Student teaching is completed at one of seven school corporations contiguous to the college. **Prerequisite: Teacher Education Committee approval; 2.50 cumulative GPA.**

ENGLISH

Majors in English-Literature include those who envision a career in teaching, either at the high school level or at the college level after graduate school; those who want to work in fields demanding skill in writing communication (advertising, public relations, journalism and the other media); and others who may want to expand their minds beyond the everyday world of their professional work day.

Majors in English - Creative Writing include those who wish seriously to pursue careers in creative writing, as well as those who intend to work in such fields as journalism or other media, and those who want writing to be a part of their lives.

Since only about two-thirds of college graduates, within ten years of graduation, are in fields related directly to their majors, it may be worthwhile to consider the study of English as one that can keep a person flexible enough intellectually to bend with the pressures of an uncertain future. No matter what our line of work, we always will need people who can communicate.

We strongly urge our students to study another language. This is not only for the enrichment of one's own intellect, but for insights into the nature of language that an English major should be aware of within the depth of his or her professional life.

MAJOR IN ENGLISH-CREATIVE WRITING (36 credits)**REQUIRED: 6 courses (18 credits)**

COM 117 Communication in Mass Media	ENG 222 Creative Writing-Poetry
ENG 220 The Essay	ENG 223 Creative Writing-Feature
ENG 221 Creative Writing-Fiction	ENG 230 Grammar & Expression

Choose 6 credits from:

120 Intro to Poetry 121 Intro to Fiction 122 Intro to Drama

ELECTIVES: Any 12 credits from English.**MAJOR IN ENGLISH - LITERATURE (36 credits)****REQUIRED: 1 course (3 credits)**

420 Literary Criticism

Choose 6 credits from:

320 Seventeenth Century
321 The Romantic Age
322 The Victorian Age
323 The Twentieth Century

Choose 6 credits from:

330 The Age of Ideology & Revolution
331 The Gilded Age
332 The Modern Age
333 Contemporaries

Choose 6 credits from:

120 Intro to Poetry 121 Intro to Fiction 122 Intro to Drama

ELECTIVES: Any 15 credits from English courses numbered 220 and above, but no more than 6 credits from Creative Writing (221, 222, 223).

110 English

MINOR IN ENGLISH (18 credits)

Choose 6 credits from:

120 Intro to Poetry

121 Intro to Fiction

122 Intro to Drama

ELECTIVES: Any 12 credits from English, but no more than 6 credits from Creative Writing (221, 222, 223).

TEACHER EDUCATION REQUIREMENTS:

Teaching major in English: ENG 350, 420, 425, 230, 231; 6 credits from ENG 330, 331, 332, 333 (always including at least 332 or 333); 3 credits from 320, 321, 322, and 323; 9 credits of electives to complete the English major; COM 117; and either JRN 105 or 106.

Teaching minor in English; ENG 425, 230, 231; 3 credits from 320, 321, 322, 323 or 350; 3 credits from 330, 331, 332, 333; and COM 117 and JRN 105 or 106.

English majors who wish to be recommended to the Teacher Education Committee for admission to the Teacher Education Program and for student teaching must have at least a 2.50 GPA in the English major. Other students who wish to be recommended for a teaching minor in English must have at least a 2.50 GPA in the English minor.

COURSE DESCRIPTIONS

100. A Basic Course in Written Composition

3 credits

Student will write many short papers. Classroom instruction will emphasize clarity, organization, and thoroughness or development as well as conventional spelling and punctuation.

120. An Introduction to Poetry

3 credits

Extensive analytical reading of lyrics to promote appreciation of lyrical diction, motifs, metrics, forms, types, and structures, and also to learn the pertinent nomenclature.

121. An Introduction to Fiction

3 credits

An introductory study of such narrative techniques as plot development, characterization and point-of-view in fiction and related narrative modes. The course deals largely with the short story and is modern in its emphasis.

122. An Introduction to Drama

3 credits

An introductory course in the essentials of dramatic literature-plot, character, diction, and theme. This course traces the development of Western civilization's drama and movements of modern drama such as realism, naturalism, expressionism.

220. The Essay (JRN 220)

3 credits

A writing course in which the students will learn to recognize and to employ the variety of forms of the essay. Students will be required to read, analyze, and write a variety of essays.

221. Creative Writing-Fiction 3 credits

A creative writing workshop in which students will write in a variety of fictional forms, critique each other's work, and read and discuss representative works by contemporary writers.

222. Creative Writing-Poetry 3 credits

A writing course in which the students will learn to recognize and employ a wide variety of poetic forms and techniques. Students will be required to read, analyze, and write a variety of poems.

223. Creative Writing-Feature Writing (JRN 223) 3 credits

A writing course in which students read and write a variety of newspaper and magazine feature articles. Students will learn how to select markets for free lance feature articles and how to prepare manuscripts for submission to prospective publishers.

230. Grammar and Expression (EDC 230) 3 credits

A study of the nature of language that underlies the range of stylistic choices of expression in a variety of literary genres. Students will be expected to recognize basic sentence structures and the transformation of basic structures designed to achieve rhetorically and stylistically more effective writing. Students will be required to analyze as well as to write a variety of kinds of prose. Required of all English-Education majors.

231. Advanced Writing 3 credits

Advanced study of the major forms of writing: expository, persuasive, expressive, and creative. Required of all English-Education majors.

320-323. Periods of British Literature 3 credits each

These period courses emphasize the major historical and literary movements of the time. At least one period course will be offered each year. The periods are:

- 320. **Seventeenth Century and Neo-Classical Age, 1600-1770.** Readings in the British poetic tradition from Donne to Pope, in Restoration drama and in prose fiction (e.g., Fielding).
- 321. **The Romantic Age, 1780-1830.** Readings of the major writers from Blake to Scott. Included for special consideration are Blake, Wordsworth, Coleridge, Austen, Byron, the Shelleys and Keats.
- 322. **The Victorian Age, 1830-1890.** Readings in the major writers from Tennyson to Hardy. Included for special consideration are Tennyson, Browning, Hopkins, the Brontes, Dickens, Eliot, and Hardy (novels).
- 323. **The Twentieth Century.** 3 credits. Readings of English and Irish writers of this century. Included for consideration are poetry from Hardy to Eliot, drama from Shaw to Osborne, fiction from Joyce to Greene.

330-333. American Literature 3 credits each

A four semester survey of major writers in America. The four semesters are grouped in the following chronological sequence:

112 English

- 330. The Age of Ideology and Revolution to 1850.** 3 credits. Readings of the major writers in America from Bradford to Melville. Included for study are such writers as Franklin, Irving, Hawthorne, Emerson and Thoreau.
- 331. The Gilded Age, 1850-1920.** 3 credits. Readings of the major writers in America from Whitman to Dreiser. Included for study are such writers as Dickinson, Twain, James, Crane, Chopin and DuBois.
- 332. The Modern Age, 1920-1950.** 3 credits. Readings of the major writers in America from Robinson to Wright. Included for study are such writers as Fitzgerald, Hemingway, Porter, Williams, Cummings, Hughes, Dos Passos and Faulkner.
- 333. Contemporaries, 1950 to present.** 3 credits. Readings of the major writers in America today. Included for study are such writers as Roth, Morrison, Carver, Tyler, and poets who seem to be particularly influential at the time the course is offered.

340. The Novel

3 credits

A study of the novel as a major literary form which cuts through national boundaries. The course will include novelists of the professor's choice such as Austen, Flaubert, Dostoyevsky, Joyce, Waugh and Kundera.

350. Shakespeare

3 credits

Reading in the Shakespearean corpus of tragedies and comedies. The sonnets are also included in the course, which emphasizes written critiques of the drama and poetry. Required of all English-Education majors.

358. Major Writers

3 credits

A course of study in the major works of a significant world writer or groups of writers. In the past writers such as Chaucer, Milton, Dickens, O'Neill, Frost, Eliot, Mann, and Hardy have been given special study.

359. Special Studies in Literature

3 credits

A course of study in a major literary topic. Some of the courses offered in the past have included Existentialism, Modern Poetry, The Russian Novel, Myth and Philosophy, American Drama, African-American Literature, the Harlem Renaissance, American Radicalism, Philosophy and Tragedy.

390. Internship

3 credits

Available to qualified students. Participants will work in College-approved off-campus intern programs in publishing or editorial fields.

420. Literary Criticism

3 credits

A study of the nature, basic values, and techniques of literature as interpreted by various critics. Insight into principles, criteria, and method is deepened through selected readings. Required of all English majors.

425. History of the English Language 3 credits

A study of the historical patterns necessary for understanding the English language as it is spoken and written today. The growth and development from Old English through Middle English, phonology and linguistic change in meaning and the value of words, and into usage in Modern English are emphasized. Required of all English-Education majors.

455. Independent Study 1-3 credits**FINANCE**

Finance courses provide academic training in financial analysis and management and give the student a general foundation in the acquisition and control of the finances of the national and multinational corporation. The Finance major is designed for securing positions in institutions such as banks and investment firms, and the financial regulatory agencies of the federal and state governments.

MAJOR IN FINANCE (55 credits)**REQUIRED: 8 courses from Common Body of Knowledge (25 credits)**

ACC 101 Prin of Acct I	ECN 223 Prin of Econ: Microeconomics
ACC 102 Prin of Acct II	ECN 224 Prin of Econ: Macroeconomics
MGT 111 Prin of Mgt	ECN 228 Business & Econ Statistics
MKT 112 Prin of Mkt	FIN 102 Prin of Finance

REQUIRED: 10 courses (30 credits)

FIN 101 Personal/Family Finance	FIN 308 International Finance
FIN 203 & 204 Corporation Finance	FIN 410 Problems of Financial Mgt
FIN 205 Investment Analysis	FIN 411 Seminar in Finance
FIN 205 The American Financial System	ECN 335 Money and Banking
FIN 306 Financial Analysis & Control OR ACC 203 Intermediate Acct. I	

GROUP MAJOR IN FINANCE-INFORMATION SYSTEMS (67 credits)**REQUIRED: 8 courses from Common Body of Knowledge (25 credits)****REQUIRED: 13 Courses in Finance and Computer Science (39 credits)**

FIN 203 & 204 Corp. Finance	CMP 111 & 112 Computer Science
FIN 205 Investment Analysis	CMP 221 Data Structures
FIN 306 Financial Analysis & Control	CMP 231 Applications Programming
FIN 410 Problems of Financial Mgt.	CMP 340 Information Systems
FIN 411 Seminar in Finance	CMP 341 Data Base Concepts
	CMP 343 Software Engineering

Choose 3 credits from:

CMP 222 Computer Architecture	CMP 344 Design Analy. Comp. Algorithms
CMP 333 Operating Systems	CMP 336 Organ. of Programming Languages
CMP 334 Comp. Com. & Network	

114 Finance

MINOR IN FINANCE (18 credits)

REQUIRED: 3 courses (9 credits)

102 Prin of Finance 203 Corporation Finance I 205 Investment Analysis

ELECTIVES: Any 9 credits in Finance.

TEACHER EDUCATION REQUIREMENTS:

ACC 101-102, 205, or 206. MGT 110, 111, 344, 222; MKT 112; FIN 102; ECN 223-224, 228. CMP 007, 111-112. Elect 3 credits ACC 203 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

COURSE DESCRIPTIONS

101. Personal/Family Finance

3 credits

This course is designed to assist the young person or young family in making sound financial decisions relative to the principles and practices of: budgeting, installment purchasing, using saving institutions such as banks or saving and loan associations, the wise purchasing and financing of a home, purchasing life and automobile insurance, preparing a will, estate planning, and purchasing common stocks. *No background in Accounting or Finance is required. Open to all students regardless of their major.*

102. Principles of Finance

3 credits

A fundamental course in finance. The course is presented so that the student may obtain an overview of corporate finance, investment theory and the American financial system. The theories and techniques of financial reasoning are stressed.

203. Corporation Finance I

3 credits

A study of the financial issues involved in organizing and managing the corporate finance function. Topics covered include the financial aspects of value, risk, financial analysis, management of fixed assets and capital budgeting. Problem solving supplements lectures.

204. Corporation Finance II

3 credits

A continuation of Finance 203. Part II includes the financial aspects of market efficiency, dividend policy, debt financing both long and short term, mergers, pensions and financial planning, control and evaluation. Problem solving supplements lectures.

205. Investment Analysis

3 credits

This course is designed to familiarize the young person with techniques necessary to make sound financial decisions when contemplating the purchase of common stocks. Included are the treatment of investment objectives, investment institutions such as the organized stock exchanges and over the counter markets, sources of investment information, and the formation of appropriate investment policies for individuals and families. The traditional risk approach to investment analysis is used with the major semester project being an in-depth security analysis.

306. Financial Analysis and Control**3 credits**

A study of the character and importance of the respective items in financial statements with critical analysis and interpretation of statements of business enterprises. With the knowledge gained from the foregoing, estimating income and expense, profit-planning and control, measuring operating efficiency, and enforcing budgets are reviewed.

307. The American Financial System**3 credits**

A critical study dealing with the institutional framework of the economy by which savings and credit are made available to business, consumers, and the government, together with an analysis of the impact of the various flows of funds on the total economy. Among the institutions covered are: federal financial institutions, commercial banks, savings and loan associations, insurance companies, investment and pension funds, investment banking, and the money and capital markets.

308. International Finance (ECN 308)**3 credits**

This course encompasses the financial problems which arise in the conduct of foreign trade and other international transactions. The topics covered include: international payment systems, foreign exchange controls, variation of exchange rates, methods of financing imports and exports, balance-of-payments analysis, international financial institutions and capital markets, and problems of international liquidity.

409. Options**3 credits**

Options on stocks, as well as Stock Index futures and their options, are analyzed, along with interest rate options in a risk reduction approach to investment management. Computer applications are used throughout the course.

410. Problems of Financial Management**3 credits**

This course presents a series of comprehensive financial problems by which it is intended to perfect the student's ability to utilize the methods and techniques of financial analysis and management acquired in previous courses. The case method is used throughout the semester.

411. Seminar in Finance**3 credits**

A general seminar which includes financial problems peculiar to business finance, investment management, and bank management. The content depends on current developments in finance. In general, financial problems are examined both from the viewpoint of business management and that of the economic system. The ethical-historical approach is utilized.

413. Portfolio Theory**3 credits**

An analysis of current theory and practical construction of efficient portfolios. CAPM as well as other theories will be reviewed during this course. Combinations of assets and their associated risk-reward frontiers will be analyzed using computer assisted analysis where practical.

455. Independent Study**1-3 credits**

116 Foreign Languages

FOREIGN LANGUAGES

Foreign Language courses are designed to fulfill these general aims: (1) to provide the student with a basic knowledge of modern and classical language; (2) to offer through the study of language an insight into and an appreciation of the literature and culture of other peoples. The study of Foreign Language provides the student with the basic skills in a language-namely, the ability to read, write and speak modern languages and to read and write a classical language-in preparation for entrance into graduate school, theological seminaries and the teaching profession.

MINOR IN FRENCH, GERMAN, LATIN, SPANISH (18 credits)

ELECTIVES: Any 18 credits from one language. (Six credits of introductory level may be waived based on high school background. Twelve credits must be above 111 & 112.)

TEACHER EDUCATION REQUIREMENTS:

Teaching minor in French: FRN 221-222, 249, 331-332, 335-336, 455.

Teaching minor in German: GER 221-222, 226, 331, 332, 333-334, 455.

Teaching minor in Spanish: SPN 221-222, 231, 232, 335, 336, 341, 342.

COURSE DESCRIPTIONS

FRENCH

111-112 Elementary French

6 credits

This introductory course insists on pronunciation, vocabulary building, free conversation, and structural analysis. Development in speaking, writing, and reading is encouraged by emphasis on aural comprehension and free conversation. Dialogue between students is carried on in class.

221-222. Intermediate French

6 credits

The thorough presentation of grammar is aimed at increasing the student's ability to understand and speak French. Modern prose readings from select literary works are done, with discussion in French. Application of grammatical usage is made in classroom dialogues. Training in oral and written expression is intensive.

249. French Civilization

3 credits

This course deals with French religion, philosophy, history, literature, art, and music. Knowledge of the French language is required.

331-332. Advanced Composition and Conversation

6 credits

Correct, idiomatic and effective writing and speaking in French. Written and oral communication pertinent to commercial situations will be emphasized. The class is conducted primarily in French. **Prerequisite: FRN 222 or equivalent.**

335. French Literature I

3 credits

A survey of seventeenth and eighteenth century French literature, to be read in French. **Prerequisite: FRN 222 or equivalent.**

336. French Literature II 3 credits

A survey of nineteenth and twentieth century French literature, to be read in French.

Prerequisite: FRN 222 or equivalent.

455. Independent Study 1-3 credits**GERMAN****111-112. Introductory German** 6 credits

Exercises in pronunciation, essentials of grammar, and functional vocabulary.

Intensive reading from graded texts.

221-222. Intermediate German 6 credits

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

226. Scientific German 3 credits

An intensive reading for students majoring in science. This course may be substituted for German 222.

331. Advanced Composition 3 credits

Correct, idiomatic and effective writing in German. Translations are assigned, as well as topics for individual creative writing.

332. Advanced Conversation 3 credits

Systematic and intensive German oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in German and audiovisual aids are used to perfect pronunciation.

333. German Civilization 3 credits

A survey of the history and culture of the German speaking countries in Europe from the beginnings to the present.

334. German Literature 3 credits

A survey of German literature with selections from classical and contemporary German literature to be read in German.

LATIN**111-112. Introductory Latin** 6 credits

Latin 11 is a study of fundamentals aimed at an early acquisition of a reading knowledge of Latin. Latin 112 is a continuation of Latin 111.

118 Foreign Languages

221-222. Intermediate Latin

6 credits

Latin 221 aims to develop the student's ability to recognize grammatical usage through composition and selected readings of moderate difficulty. Latin 222 is a continuation of Latin 221.

331. Medieval Latin

3 credits

An introduction to the grammar and syntax of Medieval Latin, with readings from medieval philosophical and theological literature. **Prerequisite: Latin 222.**

333. Vergil

3 credit

A study of the author, reading of the entire *Aeneid* in translation, thorough reading of Book II in Latin, and exercises in Latin metrics. **Prerequisite: Latin 222**

455. Independent Study

1-3 credits

SPANISH

111-112 Introductory Spanish

6 credits

Drill in the basic grammatical rules. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.

221-222. Intermediate Spanish

6 credits

Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.

231. Spanish and Spanish-American Civilization and Culture

3 credits

Readings and discussions of the history, civilizations, and art of the various Spanish-speaking countries of the world. Knowledge of the Spanish language is required.

232. Advanced Composition and Conversation

3 credits

A major concentration in the practical application of business while reinforcing spoken and written expression of Spanish. Basic training in the language is a prerequisite.

335-336. Spanish Literature

6 credits

Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports are required.

341-342. Spanish-American Literature

6 credits

A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from various countries.

GEOLOGY

Geology courses are designed to meet the following objectives: 1. expose the student to the multitude of natural phenomena that embrace the Earth, and in so doing broaden the appreciation and understanding of this finite environmental system. 2. to provide interested students an opportunity to concentrate in Geology as a minor. 3. to provide courses to students majoring in Environmental Science (see Biology).

MINOR IN GEOLOGY (18 credits)

REQUIRED: 2 courses (6 credits)

111 Environmental Geology

112 Historical Geology

ELECTIVES: Any 12 credits from Geology

TEACHER EDUCATION REQUIREMENTS:

Teaching major in Earth Science: BIO 101 and 233; MTH 125, 126; GEO 111, 112, 124, 125, 126, 128, 132 and 6 credits chosen from the additional geology offerings. A supporting area in Biology (111-112, 225, 337). Chemistry (121-122, 233-234) or Physics (121, 122, 231, 3 credits elective) must also be included.

Teaching minor in Earth Science: Geology 111, 112, 124, 125, 126 and 9 credits elect from 132, 233, 239, 335, 336, 341, 459.

COURSE DESCRIPTIONS

111. Environmental Geology 3 credits

This course is a survey of physical geology from the perspective of human interaction with the environment. Topics covered in the two credits of weekly lectures include: Plate Tectonics and its consequences, volcanoes, earthquakes, and mountain building, the rock cycle, weathering and erosion, mass wasting, stream landscapes and flooding, wind processes, shoreline erosion and deposition. The weekly two hour laboratory includes the study of typical rocks and minerals, topographic maps and survey systems, and an introduction to aerial photographic interpretation. Offered every Fall semester.

112. Historical Geology 3 credits

A study of the geochronology through the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, Mesozoic, Cenozoic world, fossils, geologic maps and charts. Two lectures and one laboratory period each week. **Prerequisite:** Environmental Geology 111

124. Anthropological Geography 3 credits

A conceptual course tracing the evolution of man and races, the character and arrangement over the earth of the physical-biotic systems that constitute the natural surroundings of man and concepts evaluating the significance to man of the natural surroundings. Offered every winter of odd-numbered years.

120 Geology		
125. Astronomy		3 credits
A non-mathematical introduction to astronomy including the history of astronomy, determination of location using celestial bodies, and main features of the known universe. Also an emphasis on tools used in astronomy and speculation concerning the origin of planets, stars, and galaxies. Offered every fall of even-numbered years.		
126. Meteorology		3 credits
An introduction to meteorology with emphasis on the vertical structure of the atmosphere, cloud formations, general air circulation, air mass exchange, and various atmospheric and weather processes. Offered every winter of even-numbered years.		
128. Introduction to Environmental Studies		3 credits
This is a required course for the environment science major. It seeks to give the student a broad overview of this multi-disciplinary subject. Topics covered include, but are not limited to: economics, politics, and ethics of the environment, ecology, population issues, geological processes and resources, human impact on the environment. It prepares the student to take further courses in the major, and provides sufficient coverage to prepare an education major for teaching units dealing with environmental concerns. An integral part of the course is an independent literature search culminating in a short oral presentation given by each student near the end of the semester. Offered every Winter semester.		
132. Economic Geography		3 credits
A study of the principle economic and commercial regions of the Earth. The emphasis of the course is placed on agriculture, water resources, manufacturing, and extractive (mining) centers. There is also a general presentation of the culture, political, and social impact on the economic enclaves. The course is designed to meet the interdisciplinary needs. Prerequisite: GEO 111 is desirable, but not required.		
233. Mineralogy		4 credits
A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week. Prerequisite: CHM 111, 112 or consent of Instructor.		
234. Optical Mineralogy		3 credits
Theory and practice of determining the optical properties of minerals with the aid of the petrographic microscope. One lecture and two laboratory periods per week. Offered every fall of odd-numbered years. Prerequisite: GEO 112, 233.		
239. Petrology		3 credits
A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week. Offered every winter of even-numbered years.		

335. Geomorphology 3 credits

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the determination of geologic history. Two lectures and one laboratory period each week. **Prerequisite: GEO 112**

336. Field Methods and Mapping 3 credits

This course treats the use of the transit theodolite, plane table and alidade, Brunton compass, the other instruments used in field mapping and problems. Offered in the spring session. **Prerequisite: GEO 111, 112 or consent of Instructor.**

337. Aerial Photographic Interpretation 2 credits

This course embraces the evaluation and depiction of geologic phenomena, vegetal distribution, drainage patterns, and cultural features. Two two-hour laboratory periods per week. Offered every winter of even-numbered years.

341. Invertebrate Paleontology 4 credits

Morphology, classification, geologic significance of fossils: special emphasis on the study of index fossils of North America. Three lectures and one laboratory period each week. Offered every fall of odd-numbered years. **Prerequisite: GEO 112.**

443. Structural Geology 4 credits

A study of the framework of the earth's crust, the deformation of the earth, its causes and effects. Three lectures and one laboratory period each week. Offered every fall of even-numbered years. **Prerequisite: GEO 112 and MTH 017.**

444. Stratigraphy and Sedimentation 4 credits

Methods of description, classification, interpretation, and correlation of rock units. Laboratory exercises are designed to aid in understanding stratigraphic problems, fundamentals of sediment study methods, paleo-environments, and facies changes. Two lectures and two laboratory periods each week. Offered every winter of odd-numbered years. **Prerequisites: GEO 112, 239, 341.**

455. Independent Study 1-3 credits

459. Environmental Systems 3 credits

This course is conducted as a seminar with faculty from Biology and Earth Science Departments sharing in the selection of specific topics to be covered. It is intended to provide the student with current information on governmental agencies and legislation concerned with the environment. Further, considerable time will be spent on causes and cures of environmental destruction from an engineering point of view. Offered every fall of even-numbered years.

122 History

HISTORY

History courses can enlarge the student's intellectual horizon by an ordered, meaningful, and up-to-date inquiry into the past. This includes not only courses in United States and European history, but also introductions into several areas of non-Western history and into the basic skills of historical research itself. The major in history prepares the student for graduate studies, entry into law school, and teaching in secondary schools, as well as providing a broad, cultural basis for a later career in various fields of business or the arts.

MAJOR IN HISTORY (36 credits)

REQUIRED: 3 courses (9 credits)

121 United States History I

122 United States History II

125 European Civilization I

Choose 6 credits from: (Europe)

238 History of England

246 Revolutionary Europe, 1789-1871

247 Europe, 1890-1945

248 The Cold War-Since 1945

343 History of Russia I

344 History of Russia II

Choose 3 credits from: (American)

209 American Foreign Relations

231 American Civil War

233 Jeffersonian/Jacksonian

336 Recent America

338 Colonial America

442 American Economic History

Choose 3 credits from: (Non Western)

240 History of Africa

341 History of Modern E. Asia

342 Modern Middle East

ELECTIVES: Any 15 credits in History.

MINOR IN HISTORY (18 credits)

ELECTIVES: Any 18 credits in History.

TEACHER EDUCATION REQUIREMENTS:

Teaching major in social studies with World and American history as primary areas and supporting area in Government:

HST 121, 122, 125; elect 12 credits from 209, 231, 233, 336, 338, 442; elect 6 credits from 238, 240, 246, 247, 248, 341, 342, 343, 344; POL 101, 102 and six additional credits in Political Science; and the college major in History.

COURSE DESCRIPTIONS

121-122. United States History, I-II

6 credits

A study of American civilization from its European origins until 1865 in the first semester; its development since 1865 until the present is considered in the second semester.

125. European Civilization I

3 credits

A general survey of European history and civilization to 1500. Offered in alternate years.

209. U.S. Foreign Policy (POL 209)

3 credits

Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.

231. American Civil War

3 credits

Traces the emerging political and moral crises that led to the conflict. Secession and military developments will be examined, along with the political background and life on the home fronts.

233. Jeffersonian/Jacksonian America

3 credits

A study of America in the formative years after independence, with special emphasis on Jefferson and Jackson and American life during their administrations. Offered in alternate years.

238. History of England

3 credits

Surveys the major trends in English history from its beginnings to 1945. In addition to political chronology, social and cultural features will be treated.

240. History of Africa

3 credits

This course traces the social and political trends of the past and evaluates their influence on contemporary Africa. Each year, one major geographic area of the continent is selected for study. Study includes precolonial history, the impact of colonization, and the development and challenges facing Africa in the post -- colonial era, with emphasis on the uniquely African responses to outside forces. Offered in alternate years.

246. Revolutionary Europe, 1789-1871

3 credits

The history of Europe from the French Revolution through the unification's of Germany and Italy.

247. Europe, 1890-1945

3 credits

The decline of Europe from its overwhelming world dominance in the late 19th century through its almost self-destruction in the two World Wars. The rise of the dictatorships and the Western democracies' struggle for survival are stressed. Offered in alternate years.

248. The Cold War--Since 1945 (POL 248)

3 credits

The major European developments since World War II. The rise of the U.S.-Soviet competition for world-wide supremacy, with special stress on its implications for Europe. Post-war European reconstruction and movements toward European unity are treated. Offered in alternate years.

124 History	
255. Independent Study	3 credits
223. Research Methods in the Social Sciences (SOC 223; POL 223; PSY 223)	3 credits
An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in process of social scientific research.	
336. Recent America	3 credits
American political and social history is stressed from 1945 through the Clinton Presidency. Offered in alternate years.	
338. Colonial America	3 credits
The social and religious history of colonial Americans is stressed from the Euro-Indian exchanges to the American Revolution. Offered in alternate years.	
341. History of Modern East Asia	3 credits
The Western impact on the Far East and the Eastern response in the 19th and 20th centuries. International relations are appropriately emphasized, but full attention is given to the more fundamental factors of Chinese and Japanese institutions and ideas.	
342. Modern Middle East	3 credits
A survey of the major developments in the Middle Eastern countries between Libya in the West and Iran in the East with a major emphasis on late 19th and 20th century trends.	
343-344. History of Russia I-II	6 credits
The origins and growth of the Russian people and institutions from the eighth century to the present. Offered in alternate years.	
358-359. Topics in History	3 credits
Based on student interest and current trends and needs, the Department offers a number of topics and eras, for example: History of the family and Women in America.	
442. American Economic History (ECN 442)	3 credits
Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.	
454. Social Science Seminar	3 credits
Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.	

HUMANITIES

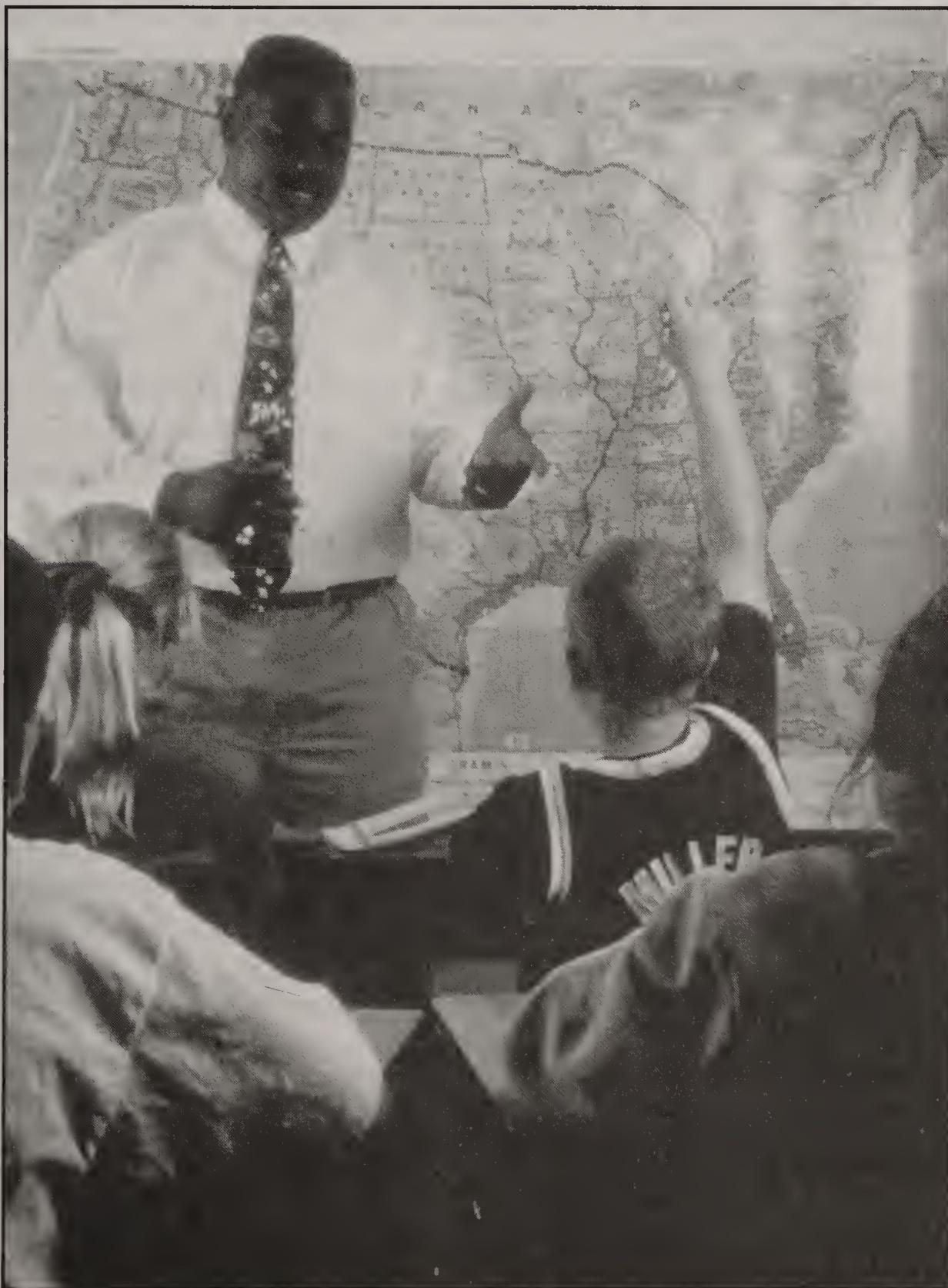
Saint Joseph's offers the opportunity for the obtaining of a two-year Associate in Arts degree in the Humanities. The program includes the entire Core Curriculum plus 15 credits elected from the fields of Communication and Theater Arts, English, Foreign Languages, Music, Philosophy, and Religion. Although the requirements might be taken over a longer period of time, if one were to complete the degree in four semesters, the schedule of courses would be:

First Year

<u>Sem. I</u>	<u>Sem. II</u>
Core 1	Core 2
Core 5	Core 6
Core 7	Core 8
Elective	Elective

Second Year

<u>Sem. I.</u>	<u>Sem. II</u>
Core 3	Core 4
Core 9	Core 10
Elective	Elective
Elective	



126 Human Services

HUMAN SERVICES

Human services are an array of intentional, organized activities provided to individuals, families or groups who, for whatever reason, are experiencing problems in daily living. The curriculum is designed to impart the knowledge, values, and skills human service professionals need to work in a wide variety of practice areas. The training is systematic, beginning with the study of introductory concepts of human services; it then explores types of clients, problems, and methods of addressing those problems, and culminates in supervised field experiences based on the student's particular career interest. The body of knowledge on which the training is based is interdisciplinary, borrowing heavily from the fields of psychology, sociology, and social work.

Human services graduates are employed in a wide variety of positions. Those who enter policy practice typically serve to educate and mobilize the public around a particular social issue such as welfare reform. Often policy practitioners lobby public officials or the courts to change the way social programs are administered and laws are enforced. Those who pursue clinical or administrative practice often work in a mental health agency developing services in response to community needs such as crisis intervention for clients who have experienced trauma. Or they may serve as a probation officer in a corrections setting, a counselor in a substance abuse milieu, a rehabilitation specialist in a center for juvenile delinquents, or as a resident house parent in a group home for the mentally retarded. The job opportunities are as varied as our nation's array of social problems.

MAJOR IN HUMAN SERVICES (37 credits)

REQUIRED: 10 courses (31 credits)

HSV 113 Intro Human Services

PSY 110 Intro Psychology

HSV 114 Social Problems & Welfare

SOC 111 Intro Sociology

HSV 142 Contemporary Social Policy

SOC 225 Statistics

HSV 228 Prac Families & Groups

PSY 223/SOC 223 Research Methods

HSV 229 Practice with Individuals

PSY 123 Developmental Psychology **OR** SOC 222 The Social Self

Choose 6 credits from Practicum in:

360 Aged

364 Mental Health

368 Health

361 Child Guidance

365 Public Welfare

369 Research

362 Crime & Delinquency

366 Developmental Disability

370 Needs Assessmnt

363 Family Services

367 Student Affairs

A student is limited to a maximum of 12 credits of practica. This limit also applies to Sociology and Psychology.

MINOR IN HUMAN SERVICES (18 credits)

113 Introduction to Human Services

228 Practice with Families & Groups

114 Social Problems & Welfare

229 Practice with Individuals

142 Contemporary Social Policy

360-370 3 credits of HS Practicum

COURSE DESCRIPTIONS

113. Introduction to Human Services (PSY 113) 3 credits

This course provides an initial exposure to human services as a professional area. Attention is given to social work values, principles, and methods. The functions of social work in a variety of settings, including public welfare, corrections, child care, counseling, school social work, and residential treatment, are examined.

114. Social Problems and Social Welfare (PSY 114) 3 credits

This course covers a variety of contemporary social problems such as racism, poverty, crime, war and violence. Students will gain a sociological understanding of the forces that shape these problems as well as the pivotal theories used to inform them. Consideration will be given to critically analyzing proposed solutions for resolving each of the problems discussed.

142. Contemporary Social Policy (PSY 142, SOC 142) 3 credits

This course examines key issues in the development, formulation, and adoption of U.S. social welfare policies with particular focus on health, mental health, child welfare, housing, income distribution, and employment. Emphasis is placed on analysis of social policy issues using conceptual frameworks, understanding the community as a social system, evaluation of community needs, and effective strategies of intervention. There will be many opportunities to practice advocacy skills such as lobbying, testifying and organizing at a grassroots level.

228. Practice with Family and Groups (PSY 228) 3 credits

In this course you will learn how to design and co-facilitate a psychoeducational group on such diverse topics as stress management, anger control, self-esteem and assertiveness training. We will also be covering the basics of family counseling drawing upon intergenerational, structural, experiential and strategic theoretical frameworks.

229. Practice with Individuals (PSY 229) 3 credits

In this course you will develop basic listening skills as well as learn to master some advanced microskills such as confrontation, reflecting meaning, and focusing. The course is designed to be a *practical* approach to developing counseling & interviewing abilities.

360-370. Human Services Practicum (PSY 360-370; SOC 360-370) 1-3 credits

Practica are designed to provide students with experience in service settings under supervision of professional staff members. For each academic credit, 30 hours of direct contact are required. All practica are offered every semester, but may be taken only with written permission of the field experience coordinator. **Prerequisite: HSV 228 or 229.**

360 Aged	364 Mental Health	368 Health
361 Child Guidance	365 Public Welfare	369 Research
362 Crime & Delinquency	366 Developmental Disability	370 Needs Assessmnt
363 Family Services	367 Student Affairs	

A student is limited to a maximum of 12 credits of practica under the departments of HSV, PSY or SOC.

128 International Business

INTERNATIONAL BUSINESS

The group major of International Business effects pervasive student development through a rigorous curriculum which encompasses the foundations of the Common Body of Knowledge (CBK) of Business, the upper level management and marketing offerings and the complementary of the International Studies Program. This will effect the finest and most solid graduate with cultural awareness, global perspective and managerial knowledge and skills.

This curriculum is designed to provide an answer to the needs of the international, global, transnational businesses and organizations into the Twenty-first Century. The student selecting this Group Major will be enhanced through the additional requirements of a foreign language giving them the prowess of immediately entering the complex, dynamic world of tomorrow.

GROUP MAJOR IN INTERNATIONAL BUSINESS (64 credits)

REQUIRED: The Common Body of Knowledge in Business (30 credits).

ACC 101 Prin of Acct I	ECN 223 Prin of Econ: Microeconomics
ACC 102 Prin of Acct II	ECN 224 Prin of Econ: Macroeconomics
MGT 111 Prin of Management	ECN 228 Bus & Econ Statistics
MKT 112 Prin of Marketing	FIN 102 Prin of Finance
MTH 019 or 093 or higher	CMP (001, 002, 004) OR 226

REQUIRED: 7 courses (19 credits)

FIN 308 International Finance	MGT 442 Seminar in Admin. Policy
MGT 339 International Management	MKT 443 Marketing Management
MKT 444 International Marketing	MGT 449 Career and Job Planning
ECN 439 Comp. Econ System	

Choose 9 credits from:

MKT 221 Selling	MGT 222 Human Resource Mgt.
MKT 224 Buyer Behavior	MGT 335 Production Operations Mgt.
MKT 331 Promotion Management	MGT 441 Organizational Behavior
MKT 332 Marketing Research	MGT 223 Entrepreneurial Mgt.
MKT 390 Internship	MGT 346 Total Quality Mgt.
MKT 440 Services Marketing	

Select 6 credits from:

POL 103 World Politics	COM 242 Intercultural Comm.
POL 407 International Law & Org.	SOC 112 Culture & Society
POL 102 Comparative Politics	PSY 110 Gen. Psychology
COM 114 Fundamentals of Oral Comm.	

NOTE: International Business majors must complete a minor in a foreign language.

MINOR IN INTERNATIONAL BUSINESS (18 credits)

REQUIRED: 5 courses (15 credits)

MKT 444 International Marketing
MGT 339 International Management
MKT 112 Prin of Marketing **OR** MGT 111 Prin of Management

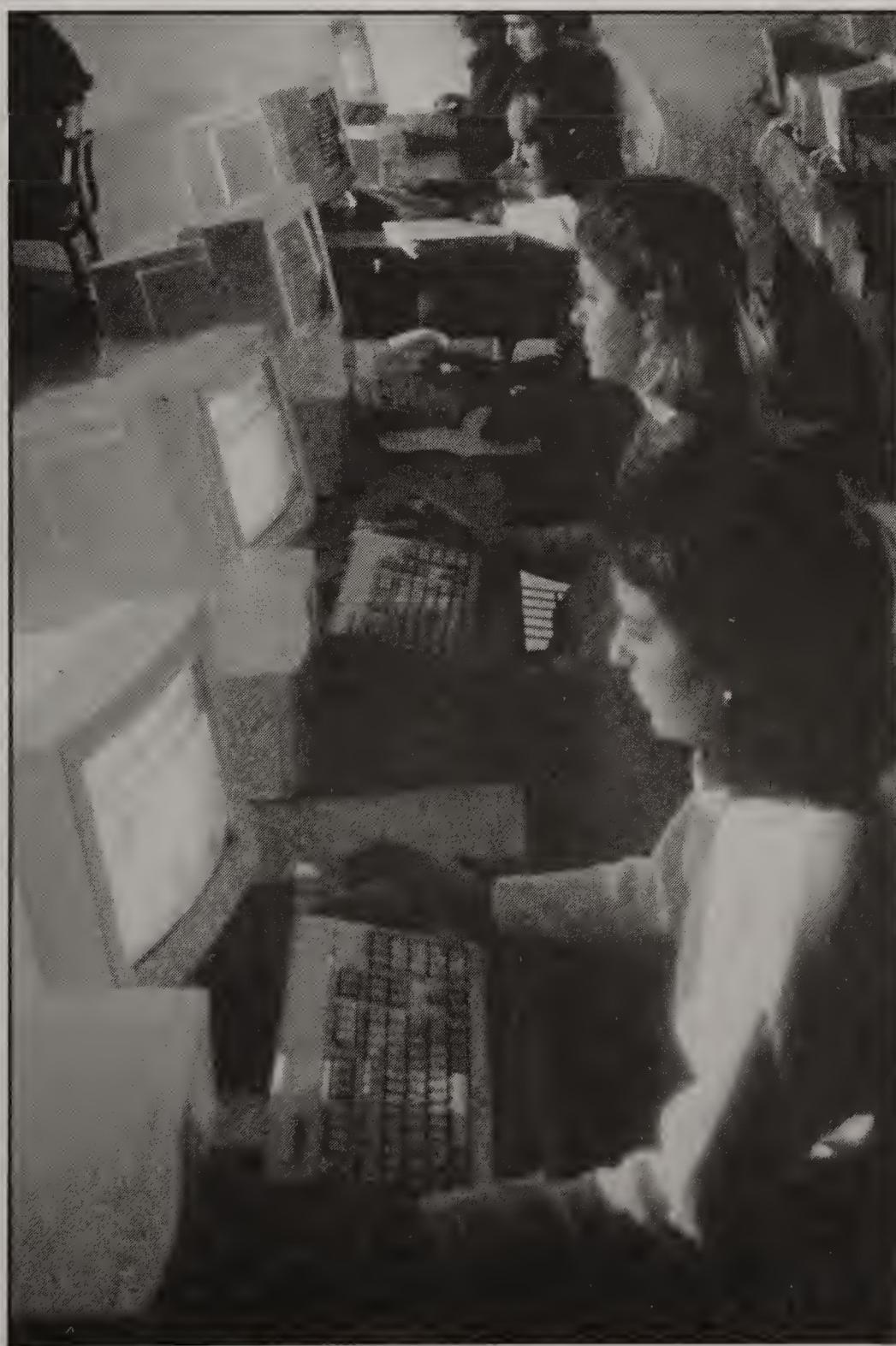
FIN 223 Principles of Finance
FIN 308 International Finance

Choose 3 credits from: (not included in the major requirements)

MKT 331 Promotion Management
MKT 336 Direct Response Marketing
MKT 440 Services Marketing
PSY 110 Intro to Psychology
COM 114 Fundamentals of Oral Comm.
COM 242 Intercultural Communication

SOC 112 Culture and Society
POL 407 International Law & Org.
MGT 222 Human Resource Mgt.
MGT 223 Entrepreneurial Mgt.
MGT 446 Total Quality Mgt.
ECN 439 Comp. Economic Systems

NOTE: Non-commerce majors are strongly encouraged to take ACC 101 and FIN 102 as electives.



130 International Studies

INTERNATIONAL STUDIES (54 credits)

A group major in International Studies, organized in 1977, was the natural out-growth of the internationalist thrust of the Saint Joseph's Core Curriculum and of the personal commitments of a number of the College's faculty. In a century when all peoples of the earth are becoming more and more aware of their interdependence, there is a great need for college graduates who are prepared to serve in careers in the international field and who have learned how to think perceptively and with sensitivity in terms of the global Family of Man.

The group major in International Studies is an excellent preparation for careers with the federal government (over thirty agencies), the foreign service, public international organizations (United Nations, regional bodies), banking and business, consulting firms, research organizations, teaching, trade and professional associations, the media (press, radio, television), foundations and other private nonprofit groups (Red Cross, CARE, National Geographic).

The program described below has been put together after careful study of the competencies which a graduate entering a career position in the international field ought to have. Our program will provide the student with the opportunity to develop the following traits and skills:

- a sense of the dignity of the human person, clarity of personal and cultural values, broad and deep understanding of the commitments of Christian humanism;
- proficiency in speaking and writing, the ability to organize thoughts and introduce timely arguments, skill in logical analysis of problems;
- basic skills in economic and political analysis, including both quantitative and qualitative approaches;
- a conceptual grasp of history and contemporary events and the ability to relate specific cases to general patterns;
- knowledge of international peoples, languages and institutions, suggesting an ability to relate and to analyze across cultural and national lines.

REQUIRED: 4 courses (12 credits) Common Body of Knowledge

POL 102 Comparative Government

SOC 112 Culture & Society

ECN 223 Prin of Econ: Microeconomics

PHL 111 Philosophy of Human Nature

Choose 3 credits from: Values

PHL 342 Modern Political Philosophy

REL 332 Worship, Belief, and Praxis

REL 232 Christianity in History

REL 358 Special Studies in Religion

Choose 18 credits from: Systems

MGT 339 International Business

POL 306 Political Parties

MKT 444 International Marketing

POL 407 International Law

ECN 224 Prin of Economics

POL 205 International Relations

ECN 439 Comp. Econ Systems

SOC 442 The Urban Community

ECN 308 International Finance

SOC 447 Law and Society

GEO 124 Anthropological Geography

SOC 115 Sex, Gender, and Culture

GEO 132 Economic Geography

SOC 443 Collective Action

Choose any 21 credits from: Area

- HST 209 American Foreign Relations
- HST 238 History of England
- HST 240 History of Africa
- HST 248 The Cold War
- HST 341 History of Modern East Asia
- HST 342 Modern Middle East
- HST 343 History of Russia I
- HST 344 History of Russia II

- ENG 122 Intro to Drama
- ENG 340 Creative Writing - Poetry
- ENG 359 Special Studies in Literature
- FRN 249 French Civilization
- FRN 336 French Literature II
- GER 333 German Civilization
- SPN 231 Spanish & Span-Amer Cult.

FOREIGN LANGUAGE REQUIREMENT: Intermediate level competency.



132 Journalism JOURNALISM

The Journalism minor is appropriate with any major and should be given consideration by students who wish to pursue careers in writing, reporting and editing for the print or broadcast media. Special consideration should be given by secondary education minors who would like preparation to supervise a high school newspaper.

The minor in Journalism stresses communication skills in newspaper writing, editing and Macintosh/Pagemaker desktop publishing. Coursework in Journalism ethics and/or Media and the Law are also requirements for a Journalism minor. Six credits of electives from Communication in mass Media, Photojournalism, Newspaper Editorial/Management Practices & Policies, or The Essay (ENG 220) complete the program.

Journalism minors are encouraged to gain experience working on *The Observer*, the award-winning student newspaper. Internships may be available to Journalism minors with an overall GPA of 3.00 in their senior year.

The Journalism minor is supervised by the Department of English.

MINOR IN JOURNALISM (18 credits)

REQUIRED: 3 courses (9 credits)

- JRN 105 Introduction to Newspaper Writing, Reporting & Editing
- JRN 106 Basic Design for Newspapers & Other Publications
- JRN 223 Feature Writing

Choose 6 credits from:

- JRN 117 Communication in Mass Media
- JRN 220 Photojournalism
- JRN 320 Newspaper Editorial/Management
- ENG 220 The Essay
- JRN 390 Internship

Choose 3 credits from:

- JRN 330 Journalism Ethics
- JRN 358 Media & the Law

COURSE DESCRIPTIONS

101. Newspaper Laboratory -- Reporting 1 credit
Applied practice in newspaper reporting and editing for *The Observer*. Pass/not pass. (May be taken twice).

102. Newspaper Laboratory -- Layout and Design 1 credit
Applied practice in layout and design as a page editor or assistant editor for *The Observer*. Pass/not pass. (May be taken twice).

105. Introduction to Newspaper Writing, Reporting, & Editing 3 credits
Practice in news style writing, gathering information, and editing for publication. Major emphasis on style manuals and grammar, plus discussion of feature, column and editorial writing styles as they pertain to the College's biweekly newspaper.

106. Basic Design for Newspapers and Other Publications 3 credits

Practice in type selection, copyfitting, photo and illustration selection and use, paste-up skills and printing processes, plus introduction to MacIntosh/Pagemaker desktop publishing in connection with the College newspaper.

117. Media and Society (COM 117) 3 credits

A study of the forms of communication involved in the mass media (print, radio, television and film). Basic theories of Message, Receiver, Channel, and Sender are applied in classroom exercises through oral reports, surveys and research. (Required of all English-Education majors.)

220. Photojournalism (COM 220) 3 credits

The use of cameras and films and the developing and printing of black and white photographs used in journalism. Planning, taking and editing news pictures; writing cutlines and captions; the technique of the picture story.

223. Feature Writing (ENG 223) 3 credits

A writing course in which students read and write a variety of newspaper and magazine feature articles. Students will learn how to select markets for free lance feature articles and how to prepare manuscripts for submissions to prospective publishers.

320. Newspaper Editorial/Management Practices & Policies 3 credits

A practical overview of professional practices and corresponding policies in the gathering, writing, and editing of news.

330. Journalism Ethics (COM 330) 3 credits

A comprehensive study of legal and ethical considerations inherent to a free press in a free society. More than 200 case histories plus a series of guest speakers add depth and insight to a course that probes ethical codes and value systems in the mass news media. Special emphasis is given not only to how the press functions, but to why it functions as it does.

358. Media Law (COM 358 and POL 358) 3 credits

Study of the legal issues concerning the media including: statutes and regulations governing press, broadcast and films; analysis of defamation, libel, contempt, privacy, copyright, legal rights and privileges of the mass media.

390. Internship 3 credits

Available to qualified students. Participants will work in College-approved off-campus intern programs in publishing or editorial fields. Journalism Minors may take the following Internship with the consent of the departmental supervisor and an overall minimum GPA of 3.00

455. Independent Study 1-3 credits

134 Management

MANAGEMENT

The Management curriculum at Saint Joseph's College emphasizes the 'Art and Science' of management. It involves the coordination of human and physical resources toward a set of objectives or goals, the aspects of getting things done through others and the utilization of contemporary models, techniques and tools that bring about effective and efficient performance. Therefore, the student who elects to major or minor in management will be preparing to attain a position of responsibility in a wide variety of profit or not-for-profit organizations. Students wishing to prepare for a career in International Business should consider this group major. It embodies not only the commerce core for business, but draws on management, marketing, and international studies. A broad cultural awareness, a global perspective, a basic managerial knowledge and skills make this program attractive for students contemplating transnational organizations as their career objective. See International Business for more details.

MAJOR IN MANAGEMENT (49 credits)

REQUIRED: 8 Courses, The Common Body of Knowledge in Business (30 Credits)

ACC 101& 102 Prin. of Accounting	ECN 223 Prin of Econ: Microeconomics
MGT 111 Prin of Management	ECN 224 Prin of Econ: Macroeconomics
MKT 112 Prin of Marketing	FIN 102 Prin of Finance
ECN 228 Bus & Econ Statistics	MTH 019 or higher excluding MTH 111

CMP 001 Intro Computers, CMP 002 Intro Spreadsheets, CMP 004 Intro Database
OR CMP 226 Adv. Computer App.

REQUIRED: 7 Courses (19 Credits)

MGT 222 Human Resource Mgt.	MGT 442 Seminar in Admin. Policy
MGT 223 Entrepreneurship Mgt.	MKT 443 Marketing Management
MGT 335 Production/Operation	MGT 449 Career & Job Planning
MGT 441 Org. Behavior	

GROUP MAJOR IN MANAGEMENT/MARKETING-INFORMATION SYSTEMS (69 credits)

REQUIRED: The Common Body of Knowledge in Business (24 credits). (Except CMP 001, 002, 004 OR CMP 226 and MTH 019)

REQUIRED: 14 courses (42 credits)

CMP 111 & 112 Computer Science	ACC 307 & 308 Cost Accounting
CMP 221 Data Structures	MGT 335 Operations Management
CMP 231 Apps. Programming	MGT 441 Org. Behavior
CMP 340 Information Systems	MGT 442 Seminar in Admin. Policy
CMP 341 Data Base Concepts	MKT 221 Selling
CMP 343 Software Engineering	MKT 332 Marketing Research

ELECTIVE: Any 3 credits from Computer Science.

ASSOCIATE OF SCIENCE DEGREE IN BUSINESS INFORMATION SYSTEMS MANAGEMENT (60 credits)

REQUIRED: 57 credits

CORE 1, 2, 3, 4

- | | |
|----------------------------------------------------------------------|----------------------------------|
| CMP 001 Intro to Computers | MGT 111 Prin. of Management |
| CMP 002 Intro to Spreadsheet | MKT 112 Prin. of Marketing |
| CMP 004 Intro to Database Mgt. | ACC 101& 102 Prin. of Accounting |
| CMP 111 Computer Science I | CMP 340 Information Systems |
| CMP 341 Database Concepts | FIN 102 Prin of Finance |
| ECN 223 Prin of Economics OR ECN 228 Bus & Econ Stats | |
| CMP 112 Computer Science II OR CMP 226 Advanced Computer Aps. | |

MINOR IN MANAGEMENT (18 credits)

REQUIRED: 6 Courses (18 Credits)

- | | |
|----------------------------------|-----------------------------------|
| MGT 111 Principles of Management | MGT 223 Entrepreneurship Mgt. |
| MKT 112 Principles of Marketing | MGT 335 Production Operation Mgt. |
| MGT 222 Human Resource Mgt. | MGT 441 Organizational Behavior |

MINOR IN ENTREPRENEURSHIP

REQUIRED: 3 Courses (9 Credits)

- | | |
|----------------------------------|---------------------------------|
| MGT 111 Principles of Management | MKT 112 Principles of Marketing |
| MGT 223 Ent Management | |

Choose 9 credits from:

- | | |
|---------------------------------|-------------------------|
| MKT 221 Selling | FIN 203 Corp. Finance I |
| MKT 444 International Marketing | ACC 205 Business Law |

NOTE: Non-commerce majors are strongly encouraged to take ACC 101 and FIN 102 as electives.

TEACHER EDUCATION REQUIREMENTS:

ACC 101-102, 205, or 206; MGT 110, 111, 222, 344; MKT 112; FIN 102; ECN 223-224, 228. CMP 007, 111-112. Elect 3 credits ACC 203 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

COURSE DESCRIPTIONS

110. Business Software

3 credits

An integrated 3-module course containing an introduction to computer hardware and software, with emphasis on MS-DOS fundamentals and word processing. Spreadsheet and business graphics with Lotus 1-2-3 are covered in the second module. Finally,

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database management and data communication in a networked environment are treated in the third module.

111. Principles of Management

3 credits

The purpose of this course is to present a carefully organized system of concepts by which the basic meaning and the universal principles of management can be grasped. This course is limited to a treatment of that body of fundamental principles which underlies all management regardless of type or size of business. A study of the structure of industry in the U.S., the objectives and means of a business enterprise, the functions of business, the environment of a business, the purpose and methods of management, administrative decision making and functions of management.

222. Human Resource Management

3 credits

An introduction to management oriented approaches to the managing people in organizations. Major topics include: recruitment selection, training, motivation, collective-bargaining, appraisal systems, compensation, employee benefits and services, organizational communications considered from an organizational perspective.

223. Entrepreneurial Management

3 credits

This course is aimed at the student interested in starting and operating his own small business. It will emphasize those problem areas axiomatic of small enterprises rather than large corporations. Materials, films and lectures from the Small Business Administration will be used extensively. (Spring session only)

226. Advanced Computer Applications (CMP 226)

3 credits

This course provides the student with the opportunity to apply computer software packages to appropriate projects. Software packages may include spreadsheets, graphics, database management, desk top publishing, communication and project management. The emphasis will be on applying the software packages to the management of information and problem solving in business. **Prerequisite: CMP 110, or CMP 111, or consent of instructor.**

228. Business and Economic Statistics (ECN 228)

3 credits

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measure of location, measure of variation, probability and decision-making problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis on the interpretation and use of statistical analysis in business and economic problems is integrated with an introduction to state-of-the-art computer software designed to provide relevant statistical calculations. Prerequisite: Math 093 or a higher level math course, not math 121.

333. Principles of Insurance

3 credits

Assuming no prior knowledge of insurance, this course is aimed at the student interested in the area of insurance, either for personal use or career possibilities. It will

emphasize life insurance, health insurance, major property and liability insurance contracts. (Spring session only)

335. Production/Operations Management **3 credits**

The study of the fundamentals of the functional areas in production/operations. The decision making process as related to product planning, demand, forecasting, production/inventory, scheduling and control, purchasing, quality control and improvement, productivity and control and maintenance. The essentials of qualitative analysis will be employed to facilitate decision making. **Prerequisite:** ECN 228

337. Principles of Real Estate **3 credits**

The objective of this course is to acquaint the student with the fundamental principles of real estate that are involved in the ownership and transfer of real property interests. (Spring Session only)

339. International Business & Management **3 credits**

Comparative management practices around the world; international business behavior and problems confronting multinational executives and corporations; analysis of corporate structures and operations in foreign environments. Study of management functions, organizations, structures, policies, operations, and multinational practices and global strategies. **Prerequisite:** Permission of Instructor

340. Information Systems (CMP 340) **3 credits**

Provides background by defining and explaining technical, behavioral, economical, and organizational concepts relevant to information needs for decision making. Introduces the student to financial, technical, and strategic planning information systems. Design, planning, organizing, and controlling user services and managing systems are key elements of the course. **Prerequisite:** CMP 001, 002, 004 or CMP 111 and Junior Standing

344. Organizational Communication (COM 344) **3 credits**

An overview of the process of communication within organizations. Specifically, attention will be given to the functional and cultural perspective of organizational communication. Course content includes a discussion of informational flow, vertical and horizontal communication, linking pins, communication climate, systems theory, story-telling, and communication principles and applying them to common organizational situations.

346. Total Quality Management **3 credits**

Total Quality Management is a systems approach that aims to enhance value to customers by designing and continually improving organizational processes and systems. Cases will be used for class discussion that focus on large and small companies in manufacturing and service industries.

355. Independent Study **3 credits**

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390. Business Internship

3 credits

Selected students in business will be given three credits for completion of a summer internship period with a business firm. The student will be required to make a written report every two weeks on the activities that he or she has been involved in. A major paper will be submitted at the end of the internship covering different activities and projects that the intern participated in, as well as an analysis of the corporation's operations and any suggestions that the student would like to make. Also, a one-hour presentation will be given to an appropriate marketing class so that the student can share his or her experience with other students in the major.

441. Organizational Behavior

3 credits

A course designed to present an organized and integrated approach to the managerial decision-making process. Emphasis will be placed on the following topics: the nature of the decision-making process; the stages of decision-making; the use of premises in decision-making; decision and implication; validating forms for decision-making; planning and decision-making; organizing for effective decision-making; controlling and decision-making; operations research; application of quantitative methods to the solution of business problems; practice and guidance in arriving at valid decisions.

442. Seminar in Administrative Policy

3 credits

This course is designed to give students practice in policy making thereby enhancing their ability to identify, analyze, interpret and evaluate business policies, especially those of large corporations. Through the study of actual business situations, the student will learn to diagnose a company's policy decisions. Cases are selected from a variety of industries to emphasize the universality of management problems and to give the student a facility for solving problems wherever they may develop. An attempt will be made to focus previously gained knowledge of accounting, finance, management, marketing and economics upon such matters as organization, administration, procurement, production, sales, labor, financial and expansion policies.

445. Seminar in Free Enterprise

1 credit

The purposes of the seminar is to enhance understanding of the American Free Enterprise System. Students will develop projects to increase public awareness and understanding of economic problems facing our competitive system in global markets today. Business executives will act as advisors. A team of students will compete at a regional competition annually sponsored by SIFE International.

449. Career and Job Planning

1 credit

This course is designed to help students develop the skills needed for their job search process and successfully enter the corporate world or graduate school upon graduation. This will also assist them in preparing for transition from student life to professional life. The course will cover such topics as self-skill assessment, career paths, creating effective cover letters and resumes, interview skills, industry analysis for successful career, and survival skills for professional career. **Open to Seniors and Juniors.**

MARKETING

Marketing is the business function concerned with the flow of goods and services from the producer to the consumer. The marketing process provides an efficient way for enlightened producers to meet the needs of informed consumers. Primarily marketing activities include providing the right product, promoting it properly, selling it at the right place, and distributing it effectively.

Marketing at SJC is designed to allow students to develop their abilities to recognize and define marketing problems and solve them creatively. The marketing curriculum is career-oriented to enhance the student's early entry into the field of marketing.

Students wishing to prepare for a career in International Business should consider this group major. It embodies not only the commerce core for business, but draws on management, marketing, and international studies. See the listing under International Business for further details.

MAJOR IN MARKETING (51 credits)

REQUIRED: Common Body of Knowledge (CBK) (30 credits)

ACC 101 Prin of Acct I	ECN 223 Prin of Econ: Microeconomics
ACC 102 Prin of Acct II	ECN 224 Prin of Econ: Macroeconomics
MGT 111 Prin of Management	ECN 228 Bus & Econ Statistics
MKT 112 Prin of Marketing	FIN 102 Prin of Finance
MTH 019 or 093 or higher	CMP 001, 002, 004 OR 226

REQUIRED: 7 courses (21 credits)

MKT 221 Selling	MKT 331 Promotion Mgt	MKT 443 Marketing Mgt
MKT 224 Buyer Behavior	MKT 332 Mkt Research	MGT 442 Sem Admin. Policy
		MKT 449 Career & Job Planning

MINOR IN MARKETING (18 credits)

REQUIRED: 3 courses (9 credits)

MGT 111 Prin of Management	MKT 112 Prin of Marketing
MKT 224 Buyer Behavior	

ELECTIVES: Any 9 credits of marketing courses.

TEACHER EDUCATION REQUIREMENTS:

ACC 101-102, 205, or 206; MGT 110, 111, 222, 344; MKT 112; FIN 102; ECN 223-224, 228; CMP 007, 111-112. Elect 3 credits ACC 203 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

COURSE DESCRIPTIONS

112. Principles of Marketing 3 credits

A study of the structure and process of marketing with emphasis upon the manner in which marketing distributes economic resources and stimulates demand. Consumer,

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industrial and government markets are analyzed and the resources of the economy are reviewed from the standpoint of the marketing problems they present. The organization of marketing is described with special attention devoted to channels of distribution and the various types of retailers and wholesalers. Descriptive cases and commodity analyses are used throughout the course.

221. Selling

3 credits

A study of selling and sales management as they relate to the overall marketing process and accomplishment of corporate objectives. The first part of the course will examine the various aspects of personal selling including the principles and techniques of personal selling, and the steps in the selling process. The rest of the course will cover basic functions of sales management including sales forecasting and planning, staffing and directing the sales force, and management and control of sales operations.

MKT 112 is recommended.

224. Buyer Behavior

3 credits

An analysis of the psychological, social, and economic influences that affect attitude formation and decision-making processes of industrial and household consumers. Emphasis will be placed on current findings from the behavioral sciences and the research procedures and tests commonly used in gathering psychographic data.

MKT 112 is recommended

331. Promotion Management

3 credits

One of the marketing mix elements is promotion or marketing communications. This course studies the effects of promotion or marketing communications upon sales and society from the managerial and behavioral perspectives. The course will examine management of the advertising, promotional planning and budgeting, media selection, assessment of advertising and promotion campaign, and environmental forces influencing the promotion management. **Prerequisite: MKT 112 and MKT 224**

332. Marketing Research

3 credits

The use of scientific methods by business in gathering and utilizing marketing data in the efficient selling of merchandise. An analysis of selling and price and product problems that market research may assist in solving; research questionnaire building and methods of sampling; a survey of problems that a division of marketing is likely to face; analysis of markets through company records, published sources and original investigation. **Prerequisite: MKT 112 and ECN 228.**

336. Direct Response Marketing

3 credits

An analysis of the new and growing marketing system of direct response. Direct response marketing includes the total activities by which products and services are offered to market segments in one or more media for informational purposes, the solicitation of a direct response from a present or prospective customer, or a contribution by mail, telephone or other means of access.

MKT 112 and MKT 224 are recommended.

355. Independent Study

1-3 credits

390. Business Internship

1-3 credits

Selected students in business will be given three credits for completion of a summer internship period with a business firm. The student will be required to make a written report every two weeks on the activities that he or she has been involved in. A major paper will be submitted at the end of the internship covering different activities and projects that the intern participated in, as well as an analysis of the corporation's operations and any suggestions that the student would like to make. Also, a one-hour presentation will be given to an appropriate marketing class so that the student can share his or her experience with other students in the major.

440. Services Marketing

3 credits

Service organizations require a distinctive approach to marketing strategy -- both in its development and execution. The course will address these distinct needs and problems of service organizations by building and expending on the ideas from the management of goods marketing to make them specifically applicable to service industry settings. In addition to marketing mix, several other factors that are unique to services will be explored and discussed with the emphasis on understanding how world-class organizations, both for-profit and not-for-profit, satisfy customers with value-added services. **MKT 112 is required and MKT 224 is recommended.**

443. Marketing Management

3 credits

A study of the marketing problems of the firm approached from a management point of view. Emphasis is placed on the development of the student's ability to analyze marketing situations, identify problems, determine solutions, implement corrective action, and plan strategy. The student learns how the marketing management functions of merchandising, channel selection, determination of brand policy and price policy, sales promotion, advertising and personal selling integrate to produce an effective marketing program. **Prerequisite: CBK**

444. International Marketing

3 credits

Examines legal, economic, and cultural factors influencing marketing abroad. Commercial policies, practices, and techniques needed to locate and evaluate foreign markets, as well as the problems of pricing, promoting, and distributing products in international markets. **Prerequisite: MKT 112 or Permission of Instructor**

449. Career and Job Planning

1 credit

This course is designed to help students develop the skills needed for their job search process and successfully enter the corporate world or graduate school upon graduation. This will also assist them in preparing for transition from student life to professional life. The course will cover such topics as self-skill assessment, career paths, creating effective cover letters and resumes, interview skills, industry analysis for successful career, and survival skills for professional career. **Open to Seniors and Juniors.**

142 Mathematics

MATHEMATICS

The mathematics courses offered below are designed to help the student attain: 1) an understanding and appreciation of the fundamental methods of deductive reasoning; 2) adequate preparation for work in graduate and professional school; 3) facility in the use of mathematics as a tool; 4) thorough familiarity with modern mathematical concepts.

MAJOR IN MATHEMATICS (36 credits)

REQUIRED:

MTH 235 Calculus III, together with the prerequisite Calculus I & II or the equivalent of any or all of these (e.g. high school AP)

MTH 341 Historical Perspectives in Mathematics (the Jr/Sr capstone course)
(prerequisite: Jr/Sr standing plus consent of the instructor)

Choose one course (3 credits) from:

244 Linear Algebra 237 Theory of Numbers

231 Modern Algebra I 239 Numerical Analysis (prerequisite: MTH 126)

236 Differential Equations (prerequisite: MTH 126)

Choose one course (3 credits) from:

241 Probability and statistics I (prerequisite: MTH 125)

232 Modern Algebra II (prerequisite: MTH 231)

345 Real Analysis (prerequisite: MTH 235)

Choose the remaining credits from courses in Mathematics numbered 111 or higher.

GROUP MAJOR IN MATHEMATICS-COMPUTER SCIENCE (54 credits)

REQUIRED: 14 courses (43 credits)

CMP 111 Computer Science I

CMP 239 Numerical Analysis

CMP 112 Computer Science II

MTH 231 Modern Algebra I

CMP 222 Computer Architecture

MTH 235 Calculus III

CMP 221 Data Structures

MTH 236 Differential Equations

CMP 333 Operating Systems

MTH 237 Theory of Numbers

CMP 334 Computer Networking
and Communications

MTH 241 Probability & Stats I

CMP 344 Design & Analysis

MTH 244 Linear Algebra

Choose 11 credits from the following Mathematics courses:

121 Discrete Mathematics

233 Modern Geometry

125 Calculus I

242 Probability & Stats II

126 Calculus II

345 Real Analysis

232 Modern Algebra II

341 Historical Perspectives in Mathematics

GROUP MAJOR IN MATHEMATICS-PHYSICS (54 credits)

REQUIRED: 16 courses (48 credits)

24 credits in Mathematics including 235 (Calculus III) plus the remaining 20 from courses numbered 111 and above.

24 credits in Physics.

ELECTIVES: Any 6 credits from approved courses in Mathematics, Physics, or Computer Science.

NOTE: Credit toward the major/minor or group major involving mathematics is given only for courses numbered 111 and above.

MINOR IN MATHEMATICS (18 credits)

REQUIRED:

MTH 235 Calculus III, together with the prerequisite Calculus I and II or the equivalent of any or all of these (e.g. high school AP)

14 credits from Mathematics courses numbered 111 or higher.

TEACHER EDUCATION REQUIREMENTS:

Teaching major in Mathematics: MTH 125, 126, 231, 233, 235. Elect 3 credits from MTH 232, 244. Elect 3 credits from MTH 241, 242. Elect 6 credits from MTH 236, 237, 239, 345 or any computer science course and the major in Mathematics.

Teaching minor in Mathematics: MTH 125, 126, 231, 233, 235. Elect 3 credits from MTH 241, 242; elect 3 credits from any Mathematics course numbered 111 or above.

COURSE OBJECTIVES

A. SERVICE COURSES: MTH 001-006 are for the students in Elementary Education. Basic Algebraic Skills, Finite Math, and Pre-Calculus, MTH 017, 019, 093, are for students who need preliminary preparation for further math related studies.

B. INTRODUCTORY COURSES:

The courses, *Mathematics as a Human Pursuit*, and *Discrete Mathematics*, Math 111 and 121, provide appropriate background for doing or appreciating mathematics and computer science at a level beyond that done in high school.

Calculus I and II, Math 125 and 126, provide experience working with change, limits, certain algorithms, and theorems basic to their application.

C. INTERMEDIATE COURSES:

Linear Algebra, MTH 244, prepares the student to work with systems of linear equations, in matrix form for the most part, and to consider the properties of vector spaces.

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Calculus III, Differential Equations, Numerical Analysis, MTH 235, 236, and 239 extend the work done in the introductory calculus sequence. Students experience the quantitative infinite and infinitesimal in both the discrete and continuous case, series and directional derivatives. Most equations cannot be solved by traditional, symbolic means; the student experiences the use of modern technology to find solutions with numerical methods.

Probability and Statistics I and II, MTH 241 and 242, consider the fundamental concepts of probability theory and inferential statistics. The emphasis is on gaining skills working with applications of these concepts. The student is required to use computer packages, such as Derive, TrueBASIC Probability, and Minitab as a regular part of these courses.

Geometry, MTH 233, provides a critical examination of the foundations of plane geometry, using an axiomatic approach. It includes the study of both Euclidean and non-Euclidean geometries. Proofs are emphasized.

Modern Algebra I, II and Theory of Numbers are intended to provide experience in proving concepts from given hypotheses.

Modern Algebra I & II study groups, rings, and field theory, with the subsystems of these algebra's.

Theory of Numbers, MTH 237 considers properties of the integers. The student should become proficient in the use of mathematical induction.

D. ADVANCED COURSES

Real Analysis, MTH 345, is the culmination of the analysis segment of the mathematics program at Saint Joseph's College. The student should become comfortable in doing theoretical thinking and proving in the calculus and the set of real numbers, including its metric.

Historical Perspectives of Mathematics, MTH 341, is the capstone of the mathematics program. It is a seminar on historical topics from the great theorems and thinkers of mathematics. Students make oral and written presentations from their independent, though not necessarily original, research. Portfolios are to be kept by each student, in addition to the ones kept by the math department chair.

Topics in Mathematics, MTH 346, allows students with demonstrated skills and background to select, with a designated professor, topics to be studied during a semester.

Topics might be chosen from such subjects as Vector Analysis, Complex Variables, Cryptology, Fractals, Chaos Theory, or even Actuarial Studies including the SAS statistical computer package.

In most of the above courses, particularly the Calculus sequence and Linear Algebra, students experience the use of appropriate computer packages, Derive, and Matlab, as well as a hand-held calculator.

In every course numbered 125 and higher, the professor completes an assessment sheet for each student. These assessments do not supplant the grade for the course. These sheets are routinely placed in the student's folder (portfolio) kept in the office of the department chair. They are available to be seen by the individual student at their request. The faculty of the math department use them regularly as instruments for assessing the student's progress and as an internal evaluation of the mathematics program at Saint Joseph's College.

COURSE DESCRIPTIONS

001. The Real Number System and Finite Mathematics for Teachers 3 credits

This course, designed specifically for pre-service teachers, stresses the number system structure. Numerical systems other than the Hindu-Arabic are given adequate treatment but they are not emphasized. The integers and number theory as related to recent approaches in school mathematics are treated extensively. Then, beginning with rational numbers and certain of their properties, the arithmetic operations (addition, subtraction, multiplication, and division) are studied carefully. Decimals, decimal operations and the role of the hand-held calculator then follow. Radical, exponents, percents and computing interest are among the topics considered.

002. Geometry for Teachers 1 credit

003. Statistics and Probability for Teachers 2 credits

These two courses (2,3) are to be taken concurrently. The geometry course is concerned with basic notions in the plane and in three dimensions. Some motion geometry is studied to generate the congruence concept. The use of a Geometry Drawing Utility, "SketchPad", will be introduced to illustrate some well-known theorems from Euclidean geometry. An elementary approach to coordinate geometry will be given which includes equations of lines and related distance and midpoint formulas. The statistics and probability segments treat how probabilities are determined, multistage experiments, methods of counting, statistical graphs, and measures of central tendency and variation. The students will use a simple statistical computer package, "Sunburst's Data Insights", to investigate some descriptive statistics for some simple data sets.

005. Computer Based Teaching Methods (CMP 028) 3 credits

Desk work shall include the study of the use of the microcomputer for tutorials, drills, and simulations for use in the classroom. Research related to sources of instructional computing software will be done by the students working either individually or in teams. Students will work in teams to produce at least one CAI tutorial using "SuperLink" on the PC and/or "Hypercard" on the Macintosh computer. The LASER videodisk and CD ROM units controlled by these computing packages will be utilized in these activities. The student teams will write and run programs using recursive procedures with the Logo "turtle" as well as write and execute simple programs using arithmetic algorithms in

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Logo. The student teams will also have hands-on experience with the presentation package "PowerPoint" -- using a digital camera where appropriate -- and will use a spreadsheet to find numerical solutions to some algebraic exercises. This course does not count toward a major, group major, minor, or associate degree in Computer Science.

004. Methods of Teaching Mathematics

2 credits

006. Problem Solving as a Process

1 credit

These two courses (4,6) are to be taken concurrently. Selected reading from the National Council of Teachers of Mathematics Journals (as they relate either to the elementary or middle/secondary curriculum), as well as other curriculum studies, such as the Indiana Mathematics Guidelines, will take up the bulk of the desk work for these courses. The process of problem solving, namely, understanding the problem, devising a plan, carrying out the plan, and checking the results, will be studied in detail and solution/discussion of selected activities will take place.

017. Basic Algebraic Skills

3 credits

This course is intended as either a refresher course or a first course in algebra for those students who have been away from mathematics studies for some time. The course treats the following topics: operations on real numbers, linear equations and inequalities, exponents and polynomials, rational expressions, roots and radicals, and quadratic equations. The assignments will include attacking "word problems" as part of the skills to be acquired.

019. Finite Mathematics

3 credits

This course is designed specifically for students majoring in commerce. It is intended as a preparation for the course in business statistics required by the commerce departments. Topics include: set theory, symbolic logic, relations and functions, sequences and series, combinatorial analysis, and an introduction to the basic concepts of probability and discrete random variables.

093. Pre-Calculus

3 credits

This course is intended for those who wish to study the Calculus, but who need some preliminary mathematical work. It begins with some fundamentals of algebra, including sets, functions, and graphs. It treats of polynomial and rational functions, and includes the usual transcendental functions. It considers trigonometric identities and certain elements of analytic geometry, including conic sections. Some study of combinatorics is pursued.

111. Mathematics As A Human Pursuit

3 credits

It is widely accepted that mathematics is necessary for modern technology; mathematics also makes a basic contribution to other aspects of human life. This course is designed to integrate the student's knowledge and study of mathematics with other experiences and disciplines. It pursues a problem solving approach to some consumer issues, the arts, elements of probability, voting, some number theory, and geometry. At least one segment of the course will treat contemporary concerns found in the news media which are based on statistical concerns.

121. Discrete Mathematics 3 credits

This is an introduction to logical and algebraic structures and combinatorial mathematics. Topics include methods of proof, recursion, Boolean algebra, recurrence relations, graph theory, finite automata, theory of computation with examples of applications to the field of computer science.

125. Calculus I 4 credits

Including a two week review of pre-calculus, this course is an introduction to the Calculus through concepts involving limits of functions, continuity at a point, and the derivative; differentiating products, quotients, and composite functions are treated; implicit differentiation, the Extreme Value Theorem and the Mean Value Theorem complete the content. The course will include a laboratory session with the Computer Algebra System "Derive" and will incorporate the use of a scientific graphics calculator as a regular part of the study. Each student is expected to have either the suggested calculator or one approved by the instructor. This course, together with Math 126 and 235, satisfies the calculus portion of the Indiana Professional Standards Board requirement for Secondary Teacher Education students of mathematics.

126. Calculus II 4 credits

Continuing the introduction to the Calculus, this course pursues graph sketching noting asymptotic behavior, extrema, concavity, and related concepts. The definite integral is introduced with analytic geometry, then Riemann sums, and then the Fundamental Theorem of Calculus. Applications of the definite integral include area of regions, volumes, arc length and surface area. The laboratory section will continue the use of the Computer Algebra System and the graphics calculator will again be used on a regular basis. This course, together with MTH 125 and 235, satisfies the calculus portion of the Indiana Professional Standards Board requirement for Secondary Teacher Education students of mathematics. **Prerequisite: MTH 125 or department approval.**

231. Modern Algebra I 3 credits

This course is that portion of Abstract Algebra which studies elementary group theory. It considers the properties of groups, subgroups, and functions; this leads to groups of permutations and groups isomorphic to them. Homomorphisms of groups along with the induced quotient groups culminate in the Fundamental Homomorphism Theorem; this rounds out the course. Either MTH 232 or this course fulfills the requirement for Modern Algebra by the Indiana Professional Standards Board for Secondary Teacher Education students of mathematics.

232 Modern Algebra II 3 credits

This course is that portion of Abstract Algebra which studies elementary ring theory including ideals and quotient rings. It follows with a study of field theory and closes with a look at rings of polynomials and extension fields. Either MTH 231 or this course fulfills the requirement for Modern Algebra by the Indiana Professional Standards Board for Secondary Teacher Education students of mathematics.

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This course is a critical examination of the foundations of plane geometry, using an axiomatic approach. It includes the study of both Euclidean and non-Euclidean geometry's. Proofs are emphasized. This course fulfills the requirement for geometry by the Indiana Professional Standards Board for Secondary Teacher Education students of mathematics.

235. Calculus III**4 credits**

This course continues the calculus sequence. A main thrust is its opening in-depth study of infinite sequences and series, including power series, Taylor series and Taylor polynomials. Some vectors and vector-valued functions are treated. Functions of two or more variables, with their attendant partial derivatives, are studied. The directional derivative, tangent planes and normal lines follow from these vector considerations. Multiple integration is introduced. This course, together with MTH 125 and 126, satisfies the calculus portion of the Indiana Professional Standards Board requirement for Secondary Teacher Education students of mathematics. **Prerequisite: MTH 126 or department approval.**

236. Differential Equations**3 credits**

This course studies differential equations from a practical viewpoint. It combines the formal exercises of integrating the various standard types of differential equations with the setting-up of equations for problems from the natural sciences. **Prerequisite: MTH 126 or equivalent.**

237. Theory of Numbers**3 credits**

This course treats the elementary properties of integers. It studies divisibility of integers, Euclid's Algorithm, solutions to Diophantine Equations, prime numbers, congruencies and quadratic residues.

239. Numerical Analysis (CMP 239)**3 credits**

This course develops algorithms involving iteration to approximate solutions to various kinds of problems. It studies finite differences, interpolating polynomials for numerical differentiation and integration, as well as the solution of equations and differential equations. The hand calculator and personal computer are the normal tools for this course. **Prerequisite: MTH 126 or consent of the instructor.**

241. Probability and Statistics I**3 credits**

This course is an introduction to probabilistic models and the theory of probability. It includes the study of conditional probability, random variables of one, two and higher dimensions, as well as some characterizations of discrete and continuous random variables. Either Math 242 or this course fulfills the requirement for Probability and Statistics by the Indiana Professional Standards Board for Secondary Teacher Education students of mathematics. **Prerequisite: MTH 125 or consent of the instructor.**

242. Probability & Statistics II**3 credits**

This course presents an introduction to inferential statistics beginning with a brief overview of descriptive statistics and probability, including discrete and continuous distributions, and the central limit theorem. The main emphasis is on estimation, hypothesis testing, and selected tests for small samples. It culminates in analyses of variance and bivariate data with correlation and linear regression. Either MTH 241 or this course fulfills the requirement for Probability and Statistics by the Indiana Professional Standards Board for Secondary Teacher Education students of mathematics.

Prerequisite: MTH 125 or consent of the instructor

244. Linear Algebra**3 credits**

This course studies linear transformations and linear algebras, including the study of solutions to systems of linear equations. It treats the theory of matrices leading to the theory of vector spaces over a field. It studies the operations on matrices, including determinants, and uses these concepts in a variety of applications.

Prerequisite: MTH 125 or consent of the instructor.

341. Historical Perspectives in Mathematics**3 credits**

This course, the capstone, is a seminar on historical topics from the great theorems and thinkers of mathematics. Students make oral and written presentations from their independent, though not necessarily original, research. Portfolios are to be kept by each student. **Prerequisite:** Junior or Senior status and consent of the instructor

345. Real Analysis**3 credits**

This course is a modern, topological approach to real analysis. It deals with the concepts of bounded sets; convergence of sequences and sub-sequences of real numbers; continuous functions on metric spaces; open and closed sets; connectedness, completeness, and compactness; Riemann Integrals and derivatives; law of the mean; fundamental theorems of calculus; and improper integrals. **Prerequisite:** MTH 235 or consent of the instructor

346. Topics In Mathematics**3 credits**

Students with demonstrated skills and background may select, with a designated professor, topics to be studied during a semester. Topics might be chosen from such subjects as Vector Analysis, Complex Variables, Cryptology, Fractals, Chaos Theory, or even Actuarial Studies including the SAS statistical computer package.

Prerequisite: consent of the instructor

355. Independent Study**1-3 credits**

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MUSIC

The aim of the Department of Music is to further the intellectual and aesthetic development of the student through the medium of music theory and practice, secular and religious. The student majoring in Music may concentrate in applied music, theory and composition, church music, or music education. Students concentrating in church music may emphasize organ, voice, choral conducting, piano, guitar or composition. Students concentrating in music education may emphasize a keyboard instrument, a band instrument, or voice. (See Notes on page 153 for ensemble participation requirements for the various concentrations).

MAJOR IN MUSIC - Students may elect to concentrate in one of three areas:

Applied Music -- 45 credits

Church Music -- 50-54 credits

Theory & Composition -- 46 credits

REQUIRED: Music courses for all concentrations: 11 courses (22 credits)

120-121 Music Theory I & Lab 332 Music History & Lit II

122-123 Music Theory II & Lab 433 Music History & Lit III

224-225 Music Theory III & Lab 434 Music History & Lit IV

226-227 Music Theory IV & Lab

Applied Music Concentration:

REQUIRED: 3 Courses (7 credits)

365 Keyboard Harmony & Extemporization

429 Form & Analysis

390 Recital

REQUIRED: 16 credits of Applied Music with at least 4 credits of Piano.

Theory and Composition Concentration:

REQUIRED: 7 courses (16 credits)

328 Eighteenth-Century Counterpoint

429 Form & Analysis

344 Instrumental Arranging

341 Intermediate Composition

445 Choral Arranging

442 Advanced Composition

340 Elementary Composition

REQUIRED: 8 credits of Piano.

Church Music Concentration:

REQUIRED: 5 courses (12 credits)

328 Eighteenth-Century Counterpoint

365 Keyboard Harmony

331 Music History & Lit I

351 Advanced Conducting

350 Prin. of Conducting

REQUIRED: 6 credits in Liturgy (511-522, summer only)

Choose one of the following emphases (credits required in each):

Organ:	Piano (4)	Organ (8)	Voice (2)
Voice:	Piano (4)	Organ (2)	Voice (8)
Guitar:	Guitar (6)	Keyboard (4)	Voice (4)
Conducting:	Piano (4)	Organ (4)	Voice (2)
Composition: (6)	Piano (4)	Organ (2)	Voice (2)
Piano:	Piano (8)	Organ (4)	Voice (2)

GROUP MAJOR MUSIC/BUSINESS ADMINISTRATION (63 credits)

REQUIRED: 8 courses (16 credits)

120 & 121 Music Theory I & Lab	332 Music History & Lit II
122 & 123 Music Theory II & Lab	433 Music History & Lit III
350 Prin of Conducting	434 Music History & Lit IV

REQUIRED: 8 courses, The Common Body of Knowledge in Business (24 credits)

ACC 101 Prin of Acct I	ECN 223 Prin of Econ: Microeconomics
ACC 102 Prin of Acct II	ECN 224 Prin of Econ: Macroeconomics
MGT 111 Prin of Management	ECN 228 Elementary Statistics
MKT 112 Prin of Marketing	FIN 102 Prin. of Finance

Choose 2 credits from:

344 Instrumental Arranging 445 Choral Arranging 340 Elementary Composition

Choose 3 credits of Applied Music, which must include 2 credits of piano.

ELECTIVES: Any 18 credits from Management and Marketing.

ASSOCIATE OF ARTS DEGREE IN CHURCH MUSIC & LITURGY (60 credits)

REQUIRED: CORE 1, 2, 3, 4 (24 credits)

REQUIRED: 10 courses (18 credits)

010 Synthesis of Music History I (to 1700) Summer only
011 Synthesis of Music History II (1700-1900) Summer only
012 Synthesis of Music History III (20th Century) Summer only
120 & 121 Music Theory I & Lab
122 & 123 Music Theory II & Lab
350 Principles of Conducting: Theory & Practice
351 Advanced Conducting
380 Music as Pastoral Prayer (Summer only)

REQUIRED: 6 courses of Applied Music (10 credits)

B31, B32 Piano - 2 credits D31, D32 Guitar - 2 credits A31, A32 Voice - 2 credits
C31, C32 Organ - 3 credits A-D31, 32 Elective - 1 credit

REQUIRED: 7 credits in Liturgy (511-522, summer only)

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MINOR IN MUSIC (18 credits)

REQUIRED: 6 courses (12 credits)

120 & 121 Music Theory I & Lab
122 & 123 Music Theory II & Lab

332 Music History & Lit II
433 Music History & Lit III

ELECTIVES: Any 6 credits in Music.

TEACHER EDUCATION REQUIREMENTS:

All-Grade area major in Music (Indiana certifiable to teach choral and general and instrumental music K-12) (57 credits)

REQUIRED: 17 courses (34 credits)

120 Music Theory I
121 Music Theory I Lab
122 Music Theory II
123 Music Theory II Lab
350 Prin of Conducting
224 Music Theory III
225 Music Theory III Lab
226 Music Theory IV
227 Music Theory IV Lab

331 Music History & Lit I
332 Music History & Lit II
433 Music History & Lit III
434 Music History & Lit IV
344 Instrumental Arranging
445 Choral Arranging
351 Advanced Conducting
272 Choral & Instrumental Methods

REQUIRED: 21 credits in Applied Music

Voice - 2 credits
Piano - 4 credits
Brass - 2 credits (MUS 160)
Principal performance medium - 7 credits

Percussion - 2 credits (MUS 267)
Strings - 2 credits (MUS 263)
Woodwinds - 2 credits (MUS 161)

All-Grade Major in Music (choral, general, or instrumental) (43-49 credits)

REQUIRED: 16 courses (32 credits)

120 Music Theory I
121 Music Theory I Lab
122 Music Theory II
123 Music Theory II
350 Prin of Conducting
224 Music Theory III
225 Music Theory III
272 Choral & Instrumental Methods

226 Music Theory IV
227 Music Theory IV Lab
331 Music History & Lit I
332 Music History & Lit II
433 Music History & Lit III
434 Music History & Lit IV
351 Advanced Conducting
MUS 344 or MUS 445 (2 credits)

REQUIRED: Applied Music (credits required in each)

Choral: Piano and organ (6)
Voice (8)

General: Piano (2)
Voice (2)
Non-keyboard instrument (2)

Instrumental: Piano (2);

Non-keyboard instrument (6), MUS 160, MUS 161, MUS 263, MUS 267

NOTES: For all students majoring or minoring in Music or enrolled in the group major program in Music/Business Administration, participation in a faculty-directed major ensemble each semester is required. Students completing the all-grade major in music with choral emphasis are to participate in chorus each semester. Students completing the all-grade major in music with instrumental emphasis are to participate in band each semester. Students completing the all-grade major in music with general emphasis are to participate in either chorus or band each semester. Students completing the all-grade area major in music are to participate in band and chorus each semester. For those concentrating in church music, participation in chorus is required each semester. The required participation applies to every semester that the student is enrolled in the college. Ensemble participation will be indicated on the student's transcript with a "Pass" or "Not Pass" grade.

All music majors, minors, and group majors must pass the music placement test, including fundamentals of musical notation and the sight-reading of elementary piano music, before enrolling in Music 120.

All music majors must pass a piano proficiency examination prior to graduation. A student is to enroll for piano lessons every semester until the proficiency examination is passed.

Each semester all Music majors will perform in at least one of the several student recitals unless specifically excused by the chairman of the department.

Courses in applied music may not be audited nor may composition be audited.

Music majors who wish to be recommended to the Teacher Education Committee for admission to the Teacher Education Program and for student teaching must have at least a 2.50 GPA in the Music major.

All students completing the all-grade area major in Music are required to take one credit of private lessons in their principal performance medium in each of their first seven semesters.

COURSE DESCRIPTIONS

010. Synthesis of Music History I (to 1700)	1 credit
(Summers only)	
011. Synthesis of Music History II (1700-1900)	1 credit
(Summers only)	
012. Synthesis of Music History III (20th Century)	1 credit
(Summers only)	
013. Music Fundamentals	2 credits

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(Summers only)

015. Band 1 credit

Band participation required: 3 hour of class time per week and several performances per semester. Students will be graded on a pass/not pass basis. No more than 4 band credits may be used towards graduation by a non-music major.

016. Chorus 1 credit

Chorus participation required: 3 hours of class time per week and several performances per semester. Students will be graded on a pass/not pass basis. No more than 4 chorus credits may be used towards graduation by a non-music major.

120. Music Theory I 3 credits

Rudiments; notation; manuscript techniques; elements of music (rhythm, melody, harmony, color); texture; elementary forms; tonality and modality; triads in root position and inversions; harmonic progression, root movements, and voice leading; non-harmonic tones; harmonization of a given part; two-, three-, and four-part harmony; figured bass; cadences. Various written exercises and analysis of scores.

121. Music Theory I 1 credit

Lab with MUS 120. Sight singing, ear training, and keyboard harmony relevant to material of Music 120.

122. Music Theory II 3 credits

Continuation of MUS 120. Harmonic rhythm; elementary chromaticism; modulation; the dominant seventh chord and secondary dominant chords with regular and irregular resolutions; sequence; evolution of harmonic theory through the major-minor system of tonal music. Various written exercises and analysis of scores. **Prerequisite: Music 120**

123. Music Theory II 1 credit

Lab with MUS 122. Continuation of MUS 121. Sight singing, ear training, and keyboard harmony relevant to material of MUS 122.

130. Music Appreciation 2 credits

An introduction to, and survey of, Music - vocal and instrumental, sacred and secular, "serious" and "popular" from antiquity to the present.

160. Brass Techniques 2 credits

A fee of \$65.00 is assessed for this course.

161. Woodwind Techniques 2 credits

A fee of \$65.00 is assessed for this course.

170. Musical Preparation for Elementary Classroom Teachers I 2 credits

Music fundamentals are introduced in a way that is appropriate for the college student, but applicable to the elementary classroom, combining the study of music fundamentals

with an introduction to techniques and skills that can be used in guiding the child's musical development. Offered first semester each year.

171. Musical Preparation for Elementary Classroom Teachers II 2 credits

An introduction to, and survey of, music -- vocal and instrumental, sacred and secular, "serious" and "popular" from antiquity to the present. Offered second semester each year.

224. Music Theory III 3 credits

Continuation of Music 122. Chorale style; tonal counterpoint; sonata principle; harmonic expansion of the nineteenth century; chords of the complete and incomplete major and minor ninth of dominant function; diminished seventh chords of non-dominant function; chords of the ninth, eleventh, and thirteenth. Various written exercises and analysis of scores. **Prerequisite: MUS 122**

225. Music Theory III 1 credit

Lab with MUS 224. Continuation of MUS 123. Sight-singing, ear training, and keyboard harmony relevant to material of MUS 224.

226. Music Theory IV 3 credits

Continuation of MUS 224. The Neapolitan sixth chord; chords of the augmented sixth and other chromatic chords; extension of common practice; tonality-supporting and tonality-weakening elements; pentatonic scale; whole-tone scale; synthetic scales; secundal, quartal, and quintal sonorities; pandiatonicism; polychordality and polytonality; atonality; twelve-tone method. Various written exercises and analysis of scores. **Prerequisite: MUS 224**

227. Music Theory IV 1 credit

Lab with MUS 226. Continuation of MUS 225. Sight-singing, ear training, and keyboard harmony relevant to material of MUS 226.

262. Jazz Techniques 2 credits

A fee of \$65.00 is assessed for this course.

263. String Techniques 2 credits

A fee of \$65.00 is assessed for this course.

267. Percussion Techniques 2 credits

A fee of \$65 is assessed for this course.

272. Choral and Instrumental Methods for Elementary and Middle School Music Educators 2 credits

A study of basic musical experiences normally available in elementary and middle schools; means and methods of providing these experiences; investigation and training in Orff and Kodaly methods; investigation of school music texts, choral literature, and audiovisual aids. **Prerequisite: MUS 120 or equivalent**

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328. Eighteenth-Century Counterpoint

3 credits

A course in eighteenth-century counterpoint to four parts. Analysis and composition. A detailed study of various chorale-based forms, fugue, and Baroque variation forms, as well as Bach's *Art of the Fugue*.

331. Music History and Literature I

2 credits

A survey of music history and literature from Antiquity to the Early Baroque.

332. Music History and Literature II

2 credits

A survey of music history and literature from the Mature Baroque to Beethoven (inclusive).

340. Elementary Composition

2 credits

Unison and two-part writing with accompaniment; emphasis on melodic techniques. At least one of the following: binary and ternary forms, solo vocal or instrumental and accompaniment, invention, ground bass, duets, two-part choral writing. Manuscript techniques.

341. Intermediate Composition

2 credits

At least one of the following: Single movement works for three or more parts, using appropriate melodic and harmonic techniques. Chorale prelude, passacaglia, chaconne, rondo, ritornello, theme and variations, trios, three-part choral writing. Manuscript techniques. **Prerequisite: MUS 340 or equivalent.**

344. Instrumental Arranging

2 credits

350. Principles of Conducting: Theory and Practice

2 credits

Fundamentals of score-reading and baton technique.

351. Advanced Conducting

2 credits

355. Independent Study

3 credits

364. Marching Band Techniques

3 credits

Study of, and practice in, creating band shows, to include arranging the music, charting formations, drill, and organization and administration of a marching band, with special reference to the styles of certain large university bands and their adaptability to band programs of varying sizes and conditions.

365. Keyboard Harmony and Extemporization

3 credits

Prerequisite: MUS 122

366. Advanced Guitar

1 credit

380. Music as Pastoral Prayer

3 credits

(Summers only)

390. Recital	1 credit
429. Form and Analysis	3 credits
An extended and concentrated study of larger music forms, including selected works from the <i>Well-Tempered Clavier</i> by Bach, the keyboard sonatas by Beethoven, and the orchestral, chamber music, and keyboard literature from the Classical Period through the Contemporary Period. Prerequisite: Music 122	
433. Music History and Literature III	2 credits
A survey of music history and literature from the death of Beethoven to 1913.	
434. Music History and Literature IV	2 credits
A survey of music history and literature from 1913 to the present.	
442. Advanced Composition	2 credits
At least one of the following: Single movement works for four or more parts, using appropriate polyphonic techniques. Sonata, sonatina, fugue, quartets, four-part choral writing. Manuscript techniques. Prerequisite: MUS 341 or equivalent.	
443. Free Composition	2 credits
Large, multi-sectional/movement works for varied choral or instrumental ensembles or combinations thereof, four or more parts. Manuscript techniques. Prerequisite: MUS 442, 344 and 445 or equivalent.	
445. Choral Arranging	2 credits

COURSES IN APPLIED MUSIC

31, 32 Private Instruction	Variable credits
No more than 20 credits of applied music (exclusive of techniques courses) may be applied toward fulfilling graduation requirements. There is an applied music fee for each credit of applied music. A student receives one-half hour of private instruction per week per semester for one credit. A student receives a minimum of twelve lessons per semester.	
A -- Voice	I -- Saxophone
B -- Piano	J -- Trumpet
C -- Organ	K -- Horn
D -- Guitar	L -- Baritone
E -- Flute	M -- Trombone
F -- Oboe	N -- Tuba
G -- Clarinet	O -- Percussion
H -- Bassoon	

Private instruction is recorded in the following manner:

- Letter -- designation of instrument or voice
- Final digit -- number of credits (e.g., A32 means 2 credits of voice)

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NURSING

Saint Joseph's College offers two distinct programs in nursing: 1) A 3 year Registered Nurses (RN) program offered by St. Elizabeth Hospital School of Nursing in Lafayette, Indiana, and in cooperation with the College the RN program is accredited by the Indiana State Board of Nursing and the National League for Nursing. 2) A degree completion program for registered nurses or recent graduates of an associate degree or diploma program who are not yet licensed which leads to a Bachelor of Science Degree in Nursing (BSN). Application to the diploma program should be made to St. Elizabeth Hospital School of Nursing, 1508 Tippecanoe St., Lafayette, IN 47904 (765-423-6400). Applications to the BSN program should be made through the Office of Admissions at Saint Joseph's College.

ST. ELIZABETH HOSPITAL DIPLOMA PROGRAM

Students pursuing this program will spend their first year on the Saint Joseph's College Campus in Rensselaer for two semesters and a spring session. They will then attend St. Elizabeth Hospital School of Nursing in Lafayette for the second and third years of study. At the end of the third year they will have earned their nursing diploma and are eligible to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN) given by the Indiana State Board of Nursing.

The mission of the St. Elizabeth Hospital School of Nursing is to provide a quality education program within the Christian context of a healing ministry. This program's aim is to prepare a self-directed, critically-thinking, problem-solving practitioner who provides quality nursing care to clients at the beginning level within hospitals, extended care facilities, clinics and other related client-care settings.

DIPLOMA PROGRAM: (118 credits)

REQUIRED: Core 1, 2, 3, 4, 7, 8, 10 (33 credits)

REQUIRED: 3 courses (13 credits)

BIO 115 Human Anatomy & Physiology

BIO 323 Microbiology

CHM 111 Gen. Organic Biochemistry for Health Sciences

REQUIRED: 15 courses (69 credits)*

NRS 101 Fundamental Skills of the Disciplines of Nursing

NRS 102 Advanced Fundamental Skills of the Discipline

NRS 111 Foundation of the Discipline of Nursing

NRS 112 Application of Foundation Concepts

NRS 210 (BIO 202) Diseases & Pharmacological Treatment I

NRS 220 (BIO 203) Diseases & Pharmacological Treatment II

NRS 221 Adaptation: Communication

NRS 222 Adaptation: Levels of Care

NRS 223 Adaptation: Education as an Adaptive Process

NRS 300 Transcultural Nursing
 NRS 330 Health Restoration: Concepts of Leadership
 NRS 331 Health Restoration: Nursing Care of Acutely Ill Clients
 NRS 332 Health Restoration: Nursing Care of Chronically Ill Clients
 NRS 341 Nursing Synthesis I
 NRS 342 Nursing Synthesis II

**(These courses are described in the Saint Elizabeth *Bulletin*.)*

BACHELOR OF SCIENCE IN NURSING PROGRAM (BSN)

REQUIRED: 10 courses (28 credits)

NRS 401 Physical Assessment
 NRS 402 Contemporary Nursing
 NRS 403 Community Assessment
 NRS 404 Stats for Health Care Research
 NRS 405 Geriatrics: Healthy Aging
 NRS 406 Nursing Research
 NRS 407 Management Theory
 NRS 408 Community & Family Health Theory
 NRS 409 Community & Family Health Clinical

REQUIRED: 6 credits in Core 9.

ELECTIVES: 3-6 credits in any area.

NOTES: For the BSN students must

1. Complete accredited RN program with a minimum of 41 credits in Nursing and hold an Indiana license for registered nurses.
2. Twenty six semester credits may be awarded for previous nursing courses by completing the NLN mobility profile, ACT PEP, or Mosby Assess Test, or, by Portfolio.

COURSE DESCRIPTIONS

401. Physical Assessment 3 credits

This course is designed to enhance the nurse's abilities in data collection and physical assessment. Emphasis will be placed on integration of these skills and techniques into the nursing process. Opportunity for practice is provided in the laboratory setting. (Must be taken either prior to or concurrent with a clinical nursing course) Lab fee.

402. Contemporary Nursing Theories & Ethics 3 credits

This course is designed to provide an overview of the historical development and contemporary status of nursing. Content includes nursing theories, nursing as an emerging profession, and the expanding roles in nursing.

160 Nursing

403. Community Assessment

4 credits

In this course the community is analyzed as a setting for health care. Students will complete a community assessment utilizing the nursing process and biostatistics. Epidemiology will be utilized to determine the community's health and health care needs. The course will also focus on evolving community health nursing roles in relation to their application, impact and usefulness. (3 credits of theory; 1 credit of clinical experience.)

404. Statistics for Health Care Research

3 credits

This course is designed to assist the learner to understand the statistical techniques most commonly reported in the research literature in the health professions.

Mathematical calculations are required and computer printouts and examples from the literature are used to demonstrate specific techniques.

405. Geriatrics: Healthy Aging

3 credits

A multidisciplinary study of aging presenting the sociological, psychological and physiological aspects of aging. Included in this course are the unique problems of retirement, mental and physical health, financial security and preparation for death. The focus will be a human needs approach that a health service professional, nurse, or care provider should consider.

406. Nursing Research

3 credits

This course is designed to provide an introduction to investigative study and research methodologies with focus on scientific inquiry. Content includes the research process and ethics, communication of research findings and the nurse's role. Course work includes critiquing of current nursing research. **Prerequisite: NRS 402 and NRS 404**

407. Management Theory

3 credits

This course centers on the skills needed for managing others in an ever-changing health care climate. Foci for the course include the organization of health care, the business of health care and the future of health care.

408. Community/Family Health Theory

3 credits

The care of individual and families in the community are examined during this course. Health problems, human needs, disease prevention and health promotion are addressed both in the home and other community health settings for individuals and families. This course consists of 3 credits of lecture.

409. Community/Family Health Clinical

3 credits

The focus of this course is the care of families and individuals in the home and community health settings. This course consists of 3 credits of clinical practice. The practice settings include the home, school, industry, or other community settings. **Prerequisite: NRS 408, licenser in the state of Indiana.**

PASTORAL MINISTRY

This set of ten two-credit courses in theology, when complemented by activities conducted by the Pastoral Office for Formation of the Lafayette Diocese in the area of spiritual formation and professional skills development, earns the student certification for lay ministry work in any of the five Catholic diocese in the State of Indiana. Students who need more credits can use REL 333, 391, or 392. No prerequisites.

MINOR IN PASTORAL MINISTRY

REQUIRED: 10 courses (20 credits)

PMN 101 Intro Old Testament	PMN 152 Christology	PMN 202 Sacraments
PMN 102 Intro New Testament	PMN 153 Ecclesiology	PMN 251 Spirituality
PMN 103 Word of God	PMN 201 Liturgy	
PMN 151 The Trinity	PMN 252 Moral Theology	

COURSE DESCRIPTIONS

101. Introduction to the Old Testament 2 credits

An introductory study of the processes and faith struggles that gave rise to the Old Testament. Students will read major portions of the Old Testament to understand them both in their own context and also in the context of the Christian faith.

102. Introduction to the New Testament 2 credits

An introductory study of the processes and faith struggles that gave rise to the New Testament. Students will read most of the New testament, attending to the chronological development of this primary faith document of the Church.

103. The Word of God in Faith, Theology, and Ministry 2 credits

A theological study of the Bible as the inspired Word of God. Students will work with both Testaments in applying the tools and methods the Church employs to interpret texts and to deepen its understanding of revelation. Assignments and projects will deal with practical applications to liturgy and religious education.

151. The Trinity 2 credits

The theology of the Trinity as a personal communion of love. How this communion is experienced by Christians in the world as the creative activity of God the Father, the redeeming activity of God the Son, and the sanctifying activity of God the Holy Spirit.

152. Christology 2 credits

An introduction to the theology of the Church's doctrine about Jesus Christ in the light of Christian faith, practice, and worship. Special emphasis will be given to how the Church reflects systematically on the person, being, and ministry of Jesus of Nazareth.

162 Pastoral Ministry**153. Ecclesiology****2 credits**

An introduction to the biblical, magisterial, and theological foundations of the nature and mission of the Church. Special attention will be given to the major moments of the Church's historical development, as well as to its variety of forms and expressions.

201. Liturgy**2 credits**

An introduction to the general principles of liturgical celebration, the primacy of the Lord's Day and the liturgical year, and the various forms of liturgical prayer.

202. Sacraments**2 credits**

A study of the Sacraments of the Church, their historical development and theology, with an overview of the Rites books and how to use them.

251. Spirituality**2 credits**

A study of the key figures in the historical development of Christian spirituality and of the impact of culture and society on forms and styles of prayer.

252. Moral Theology**2 credits**

A study of the nature and process of moral decision-making and the principles derived from the catholic Faith that would be involved in such moral decision-making.



PHILOSOPHY

The study of philosophy offers students an opportunity to investigate, in the broadest systematic way, fundamental questions about reality, truth and value. Further, the discipline of philosophy promotes serious and sustained reflection upon the formation and application of ideas. The study of philosophy consequently offers immediate, practical use in addition to its well known life-long value. The philosophic skills of thinking clearly, organizing coherently and analyzing insightfully will help students in all disciplines meet their goals.

Philosophy courses are designed to meet the needs of three classes of students: a) those wishing to approach liberal education through philosophy; b) those desiring an intensive study of philosophy preparatory to graduate study in some other field, e.g., law, theology, medicine or education; and c) those seeking preparation for a career as teacher or writer in philosophy.

MAJOR IN PHILOSOPHY (36 credit credits)

REQUIRED: *Foundational Courses* (6 credits): *Thematic Courses* (6 credits):

- | | |
|----------------------------------|-------------------|
| 111 - Philosophy of Human Nature | 421 - Metaphysics |
| 112 - Logic | 422 - Ethics |

REQUIRED: *Historical Courses* (12 credits):

- | | |
|---------------------------|----------------------------|
| 221 - Ancient Philosophy | 231 - Modern Philosophy |
| 222 - Medieval Philosophy | 232 - Contemporary Thought |

ELECTIVES: Any 12 credits in Philosophy.

MAJOR IN RELIGION/PHILOSOPHY (36 credits):

REQUIRED: 8 Courses (24 credits)

- | | |
|--------------------------------|--------------------------------|
| PHL 111 - Phil of Human Nature | REL 112 - Christian Scriptures |
| PHL 121 - Phil of Religion | REL 201 - Moral Theology |
| PHL 421 - Metaphysics | |

Choose one course from each area:

Dogma

- REL 231 - Ecclesiology & Ecumenism
 REL 232 - Christianity in History
 REL 234 - Christology

Worship/Sacraments

- REL 331 - Sacraments: Encounter w/God
 REL 332 - Worship, Belief & Praxis
 REL 333 - Theology & Prac of Ministry

History of Philosophy

- | | |
|-------------------------------|--------------------------------|
| PHL 221 - Ancient Philosophy | PHL 231 - Modern Philosophy |
| PHL 222 - Medieval Philosophy | PHL 232 - Contemporary Thought |

ELECTIVES: Any 12 credits from Philosophy or Religion.

164 Philosophy

MINOR IN PHILOSOPHY (18 credits)

REQUIRED: 2 courses (6 credits)

111 Philosophy of Human Nature

421 Metaphysics

ELECTIVES: Any 12 credits in Philosophy

COURSE DESCRIPTIONS

111. Philosophy of Human Nature

3 credits

A study of the nature of being human and the meaning of human existence. The course asks why and how people philosophize. Philosophers' answers to these questions will be presented and discussed.

112. Introductory Logic

3 credits

This course investigates the forms of valid reasoning in the classical as well as in the modern symbolic systems of logic. The classical logic of the syllogism is covered via the Venn diagram method. Symbolic logic involves the propositional calculus, the logic of predicates and classes, and formal proofs of validity-invalidity. The treatment of induction emphasizes scientific method and the logical concept of probability. The aim of the course is both theoretical and practical; it aims at developing the student's ability to think clearly and rigorously and to understand the rules for such thinking. Taught every winter semester.

121. Philosophy of Religion (REL 121)

3 credits

This is the departmental introduction to the study of religion. Emphasis is placed on human experience of the divine and seeks to awaken an awareness of the diversity of the human response to the concept of the divine.

142. Christian Bioethics (REL 142)

3 credits

This course examines significant issues in contemporary biomedical ethics. Students learn the major theological/philosophical principles employed by bioethicists and application of these principles to important cases. Students discuss current issues in contemporary health care within the context of the Christian Perspective of respect for the dignity of human persons. The central question of the course is whether certain actions and practices affecting human life and health are consistent with an understanding of human beings as created in the *image and likeness of God*.

221. Ancient Philosophy

3 credits

A study of the philosophic thought and work of Plato and Aristotle as well as the thought and work of their predecessors. Selected Platonic dialogues and selections from the major works of Plato's best student, Aristotle, will be the focal point of examinations and discussion.

222. Medieval Philosophy 3 credits

A study of the philosophic thought and work of Augustine, Bonaventure and Thomas Aquinas as well as the thought and work of their contemporaries. Selections from the major works of Augustine, Bonaventure and Thomas Aquinas will be the focal point of examination and discussion.

231. Modern Philosophy 3 credits

A study of the period from 1600 to 1900 when the distinction between philosophy and the specialized disciplines arose. Special emphasis is placed upon Descartes, Locke (or Hume), Kant, Hegel and reactions to Hegelianism. This course provides important background material for Philosophy 342, 422, 433 and 434. Historically, it leads to Philosophy 232.

232. Contemporary Thought 3 credits

A survey of the principle currents of thought in the western world since 1900. The course will examine existentialism and the other, major philosophical schools of thought (Marxism, Pragmatism, Positivism, and Linguistic Analysis). Correlation's between philosophic thought and the politics, scientific theories, art, and literature of the times will be studied. Especially recommended to English and history majors.

341. Traditional Political Philosophy (POL 341) 3 credits

A study of the perennial problems of political and social life, centering on law, justice, equality, the common good, and power, as seen by the Presocratics, Plato, Aristotle, the Stoics, Augustine, Thomas Aquinas, and including modern restatements by Christian thinkers and others.

342. Modern Political Philosophy (POL 342) 3 credits

A study of modern political ideas as expressed in rationalism, empiricism, Marxism, fascism, socialism and the welfare state.

348. Epistemology: Problems of Knowing 3 credits

A study of how to judge a human being's claim to know the truth. In general, what can be claimed about the nature and the scope of human knowledge? In particular, what is the truth value of each of the various sorts of human knowledge -- e.g., as expressed in moral and aesthetic claims? This course attempts a radical synthesis of the methods of knowing implicit in the Core program.

355. Independent Study 1-3 credits**358-9. Great Thinkers** 3 credits

An advanced study of enduring philosophic interest. The course's content is determined by the interests of the members of the department, the general faculty, and the students. Specifics are announced as the course is scheduled.

166 Philosophy**421. Metaphysics****3 credits**

A search for the ultimate explanation of being human in the world in which we live; an inquiry into the changing, acting and existing that we experience in ourselves and in the world. Special emphasis is placed upon the relevance of metaphysical conclusions to human living.

422. Ethics: Problems of Acting**3 credits**

An inquiry into the nature, the problems, the methods of ethics and theories of the good. Special attention is given to aiding students to clarify for themselves their own lived values.

433. Phenomenology & Behavioral Science**3 credits**

An introduction to the basics of phenomenology, with special emphasis on the model of being human, the theory of knowledge and the understanding of science as elaborated by Edmund Husserl and his disciples. The revolutionary developments which phenomenology has brought about in psychology and sociology are also studied.

434. Philosophy of Law (POL 434)**3 credits**

An analysis and evaluation of the principle theories on the nature and the purpose of law currently taught in the great law schools of the United States: natural law, legal positivism, and legal realism or sociological jurisprudence. Through critical discussion of these theories and some of their practical and contemporary consequences, students are encouraged to formulate their own philosophy of law. Especially recommended to pre-law and political science students.

458-459. Great Issues in Philosophy**3 credits**

An advanced study of themes of enduring philosophic interest. The course's content is determined by the interests of the members of the department, the general faculty, and the students. Specifics are announced as the course is scheduled.



PHYSICAL EDUCATION

Courses in physical education are designed to provide sound theory and practical application in our two phased program (Phase I: Teacher Preparation; Phase 2: Non-School based physical education). Curriculum acquaints students with professional skills, techniques and competencies while attending to their cognitive, psychomotor and affective development. Teacher preparation (Phase 1) includes K-12 and 6-12 certification programs as well as coaching endorsements for non-physical education majors. Non-school based physical education (Phase 2) provides for preparation in health club/wellness management, athletic sales, recreation/leisure and a designer structured major.

MINOR IN ATHLETIC TRAINING (28 credits)

Undergraduate preparation for most CAAHEP accredited entry level Master's degree programs in athletic training.

REQUIRED: 10 courses (28 credits)

PE 328 Therapeutic Modalities & Exercise

PE 327 Physiology of Exercise

PE 221 Kinesiology

PE 222 Basic Athletic Training

PE 323 Advanced Athletic Training

PE 224 First Aid

PE 326 Org. & Admin. of Health Mgt.

BIO 101 Human Biology

BIO 121 & 122 Human Anat. & Phys.

Electives Recommended:

PSY 110 Intro to Psychology

PE 216 Nutrition

EDC 114 Educational Psychology: Childhood, Adolescence and Youth

PE 325 Measurements in Health and Physical Education

MINOR IN PHYSICAL EDUCATION (18 credits)

REQUIRED: 4 courses (10 credits)

PE 111 History & Principles of P.E.

PE 112 Organization & Administration of P.E., Athletics & Intramurals

BIO 121 & 122 Human Anatomy & Physiology

ELECTIVES: 8 credits in Physical Education after consultation with advisor.

NON-TEACHING MAJOR IN PHYSICAL EDUCATION (36 credits)

REQUIRED: 7 courses (19 credits)

PE 111 History & Principles of P.E.

PE 327 Physiology of Exercise

PE 221 Kinesiology

PE 222 Basic Athletic Training

PE 112 Organization & Administration of PE., Athletics & Intramurals

BIO 121 & 122 Human Anatomy & Physiology

ELECTIVES: 17 credits in Physical Education after consultation with advisor

NOTES: Majors must earn 12 participation points accumulated as follows:

3--in a varsity sport as a player

3--as a trainer, manager or captain

3--as an intramural assistant

5--as a student coach

3-5--on/off-campus in a supervised phys educ, recreational, or health program.

Any student entering Saint Joseph's from a junior college or transferring from another four-year college, will be given equivalent credit for previous participation.

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TEACHER EDUCATION REQUIREMENTS:

Teaching major in Physical Education: PE 111, 112, 113, 114, 119, 215, 217, 221-222, 224, 325, 326, 327; BIO 121, 122. Elect 15 credits from PE 125, 151-165, 230, 232, 233, 234, 235, 238, 243.

Teaching minor in Physical Education: PE 111, 112, 113, 221, 222, 325, 327; BIO 121, 122; elect 6 credits from PE 125, 151-165, 230, 233, 234, 235, 238, 243.

Courses 151-165: No more than four credits from these courses can count toward graduation requirements, but four credits are required for teacher certification in the field of physical education. Teacher certification students, physical education majors and minors receive regular letter grades in these courses; all other students receive Pass/Not Pass grades.

Coaching endorsement: PE 112, 221-222; BIO 121 or 122 and 6 credits chosen from PE 125, 151-165, 230, 232, 233, 234, 235, 238, 243.

Driver Education endorsement: PE 118, 119, 221, 222, 224, 320.

COURSE DESCRIPTIONS

111. History and Principles of Physical Education

2 credits

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and introducing the student to the fundamental facts and principles associated with motivation, program, instruction, supervision, administration, and evaluation in the field of physical education.

112. Organization and Administration of Physical Education, Athletics and Intramurals

2 credits

Addressing or developing a philosophy based upon institutional policy and client needs relative to the administration of public or private programs. Emphasis upon historic contributions and directed toward scientific application(s) of theory into 21st century scenarios.

113. Gymnastics and Rhythmic Exercises

2 credits

Tumbling, floor and kinesthetic exercises, and fundamentals of rhythm relating to Core I concept of selfness. Introduction to Apple IIe computer software and utilization of biofeedback experiments.

114. Advanced Gymnastics

2 credits

Use of apparatus to develop teaching/coaching/judging competencies. Emphasis on all-round routines, previewed by the learning of individual stunts.

118. Driving Range Instruction

3 credits

Methods and techniques employed in Behind the Wheel instruction including: tracking, turns, parking and turnabouts with a special emphasis in accident avoidance; all in a controlled environment. Departmental approval required.

119. Traffic Safety and Risk Management**3 credits**

The course is designed to prepare teachers in methods, materials and administrative techniques related to effective driver education in the secondary schools. The course will include consideration of the areas of vehicle capabilities and limitation, highway safety regulations and control, and the dynamics of traffic safety. Students are expected to evaluate and adapt PUMA model.

125. Swimming--Water Safety**1 credit**

Beginning swimming skills; stroke improvement, rescue and water safety.

127. Intermediate Swimming--Water Safety**2 credits**

Intermediate swimming skills. Special emphasis on methods and materials for teaching. Involves lifeguard certification.

Sport Activities**1 credit each**

These courses emphasize the teaching techniques, knowledge, background, rules, basic fundamentals, game strategy, and the selection and care of equipment for the sport.

150. Sport of Racquetball**151. Sport of Golf****152. Sport of Badminton****153. Sport of Tennis****154. Aerobics****155. Sport of Archery****156. Sport of Bowling****157. Weight Training****158. Rock Climbing****159. Fencing****160. Orienteering****162. Sport of Wrestling****163. Sport of Softball****164. Lacrosse****165. Rugby****166. Sport of Field Hockey**

Limit of 4 courses from 150-166 count towards graduation requirement

215. Activities for Elementary Grades**2 credits**

An overview of dramatic play, games, rhythmics, playground/gymnasium procedures and methods relating to the development of dynamic professional leadership in the area of elementary activities. Emphasis on planning and implementing.

216. Nutrition**3 credits**

Overview of nutrition as it relates to societal needs and available information. The examination of current theories and literature in nutrition as it relates to fitness and health with special emphasis on somatotypical differences and trends.

217. Traditional Folk and Square Dance**2 credits**

A study of singing games, play parties, folk, square and ball room dances, all of which have set formations, step movements and sequences with emphasis in teaching methods and techniques.

219. Creative Movement and Dance**2 credits**

Body movement as a medium of expression and communication; techniques and composition in dance; methods and materials for teaching creative movement in elementary and secondary schools.

170 Physical Education**221. Kinesiology****3 credits**

The study of human motion. The course covers a basic analysis of human movement through a study of mechanical principles and the functions of muscles, levers and neuro-muscular controls. This includes an analysis of movements involved in various sports with emphasis on proper movements and identification of the causes of errors in performance. Departmental approval required.

222. Basic Athletic Training**3 credits**

This course focuses on the basic aspects of athletic training, accomplished through lecture and laboratory experiences. The basic athletic training student will gain knowledge in the following areas: prevention, recognition and care of athletic injuries; physical conditioning; medical nomenclature; evaluation of padding and protective devices; basic taping and rehabilitation principles. Departmental approval required.

224. First Aid**2 credits**

A comprehensive study of principles and procedures of first aid treatment for sudden illness and accidents. Guidelines shall follow the American Red Cross model(s). Comprehensive certification may be available; these are to be agreed upon during the first week of classes. Materials fee.

226. Advanced Swimming--Water Safety**3 credits**

Advanced swimming skills. Involves WSI and LGI certification.

230. Coaching of Basketball**2 credits**

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport.

232. Coaching of Volleyball**2 credits**

Theory and practice of the fundamentals of volleyball. A study of the history, rules, strategy, styles of play, organization of practices, individual and team conditioning, and other coaching problems connected with the sport.

233. Coaching of Baseball**2 credits**

Theory and principles of the fundamentals of baseball. A study of the history, rules, strategy, organization of practice, individual and team conditioning.

234. Coaching of Track and Field Events**2 credits**

Theories and principles of the fundamentals involved in track and field events. A study of the rules, history, organization of practice, individual and team conditioning, administration of program, facility layout, program of maintenance, and officiating.

235. Coaching of Football**2 credits**

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of offense and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport.

- 238. Coaching of Interscholastic Sports** 3 credits
A study of the philosophy of coaching, strategy and styles of play, organization of practice periods, individual and team conditioning, care of common athletic injuries, handling of emergencies, and the psychology of competitive sports.
- 240. Recreation Field Experience** 1-3 credits
A planned excursion into Recreation via: camping experience, nature study, series, or a combination of active/passive activities. **Prerequisite:** Project acceptance by Academic Dean and Physical Education Staff.
- 241. Leisure and Recreation** 3 credits
Bimodal emphasis providing broadest possible understanding of worthy and productive use of leisure time. Designed to develop professional leadership and to maximally inform consumer.
- 243. Officiating Sports** 2 credits
Special officiating consideration shall be given to a number of sports; emphasis shall be placed upon knowledge, interpretation and mechanics. Sports covered may include, but are not limited to: basketball, volleyball, soccer, and other(s) agreed upon during the first week of classes.
- 361. Coaching of Soccer** 2 credits
Theory and fundamentals relative to the coaching of soccer. A study of the history, rules, strategies, components of offense and defense, organization of practices, conditioning and application to all age populations.
- 320. Behind the Wheel Instruction** 3 credits
This course is designed to provide laboratory experience in "behind-the-wheel" instruction. The course will include a sequence of activities and drills necessary in the dual control instructional automobiles, a familiarity with the use of classroom simulators, computer instruction, and testing procedures for safe driving techniques. Departmental approval required.
- 323. Advanced Athletic Training** 3 credits
This course focuses on the advanced aspects of athletic training, accomplished through lecture and laboratory experiences. The advanced athletic training student will gain knowledge in the following areas: Advanced injury recognition, taping procedures and rehabilitation; diet; drug education; budget and supplies; facility design; physical therapy modalities; history and code of ethics of N.A.T.A. Departmental approval required.
- 331. Psychology of Coaching** 3 credits
A study of the psychological and social forces which have impacted relationships among: coaches, performers and spectators, and the effect(s) of those relationships on human behavior. **Prerequisite:** PSY 110 or EDC 114 or department approval

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325. Measurements in Health and Physical Education

3 credits

A study of measurement and evaluation as applied to health, physical education, and recreation. Principles of test construction, types and characteristics of individual and group tests, application of such tests to school populations and evaluation of results. Includes computer-assisted instructions.

326. Organization and Administration of Health Education

3 credits

This course is designed to prepare students for their role as health educators and to develop administrative skills for the coordination of the school health/wellness program in conjunction with community health agencies and services. It provides a comprehensive knowledge base of the health/wellness continuum from birth to death including all mental and physical deterrents to optimal health which confronts the school age population. Provides curriculum development K-12 and includes: stress management/coping mechanisms, substance abuse, STD's, HIV/AIDS, and issues germane to specific cultural needs within school populations.

327. Physiology of Exercise

3 credits

A study of the physiological functions of the body designed to provide the student with a basic understanding of the physiological principles underlying the processes that are so important to physical fitness and athletic performance. "Hands on" client experience(s) provided in Wellness Maintenance Laboratory. Departmental approval required.

328. Therapeutic Modalities and Exercise

3 credits

This course focuses on the theory, principles, and practice of the healing and physical restoration of the injured athlete. Knowledge will be gained in the areas of rehabilitation of injuries, treatment techniques, the use of physical agents, and different techniques used to help promote the body's healing process. Course topics will be covered through lecture and laboratory experiences.

361. Introduction to the Exceptional Child in Physical Education (EDC 361)

4 credits

Theory, techniques and methodology relative to the exceptional children in the classroom. This course compares and contrasts the typically developing student with the exceptionally developing student in areas of physical, emotional, communicative and learning abilities/disabilities. The use of inclusionary practices, an individualized education program (IEP), and related services are explored. Current legal issues are examined. Required of ALL elementary education majors. Offered second semester each year. Clinical and/or field experiences comprising approximately 40 clock hours. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the College.

455. Independent Study

1-3 credits

490. Internship

3 credits

PHYSICAL THERAPIST ASSISTANT

Saint Joseph's College, in conjunction with Jasper County Hospital, offers an Associate of Science degree program for students interested in pursuing a career as a Physical Therapist Assistant. This two-year program includes components of a liberal arts education along with the practical experience necessary to be successful. Students are able to experience firsthand the functions of a physical therapy facility within a hospital setting early in the program. Clinical experiences are also offered at facilities throughout northwestern Indiana and the Chicagoland area.

ASSOCIATE OF SCIENCE DEGREE IN PHYSICAL THERAPIST ASSISTANT (72 credits)

REQUIRED: 24 Courses (72 credits)

BIO 121 & 122 Human A&P I

PHY 010 College Physics

COM 224 Interpersonal Comm

PSY 110 Intro to Psychology

CMP 001 Intro to Computers

REL 141 Bioethics

COR 001 Freshman Seminar

COR 110, 111 Contemp Situations

COR 380 Intercultural Studies

PTA 210 Diseases, Trauma

PTA 110 Intro to Physical Therapy

PTA 111 Principles & Procedures I w/Lab

PTA 121 Clinical I

PTA 225 Medical Lectures

PTA 211 Principles & Procedures II w/Lab

PTA 212 Therapeutic Exercises

PTA 221 Clinical II

PTA 222 Clinical III

PTA 223 Clinical IV

PTA 224 Clinical V

PTA 290 PTA Seminar

COURSE DESCRIPTIONS

110. Introduction to PTA 2 credits

This course will introduce the student to the role of Physical Therapist Assistant in the practice of Physical Therapy. The course will explore and discuss the profession of Physical Therapy, and an introduction to medical terminology.

111. Principles and Procedures I 4 credits

Addresses additional body mechanics; therapeutic exercise; thermal therapy techniques and principles including use of heat and cold treatment modalities such as conductive and conversive heating, radiant energy, cold therapy, and electro-therapy are addressed as are hydro-therapy techniques. Principles of cervical and pelvic traction, massage, intermittent compression, wound care, safety factors and equipment maintenance are also included. Monitoring techniques for segmental girth, length, and volume, monitoring techniques for skin and sensation, and for strength are included. Applications of physics principles and Kinesiology are included.

Practice and implementation of theories and techniques in the lab setting. Students will practice on themselves and with each other, assessments and application of treatment methods and techniques in Kinesiology including goniometry, manual muscle test, palpation, assessment of game play and end feel. Students will see demonstration of the

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use of physical agents, and practice their application on each other. PTA practice and application of therapeutic exercise consisting of R.O.M. passive, active, resistive exercise.

121. PTA Clinical I

2 credits

Under the guidance of licensed physical therapist, the student will perform in a clinical environment with patients using application of theory and techniques.

210. PTA Diseases, Trauma, and Terminology

3 credits

Explores diseases and trauma which necessitate physical therapy for the client. Medical terminology, anatomy, physiology, psychology, disabilities, and physics related to these conditions are discussed along with instrumentation, implants, and fixation devices. Students will explore their own reaction to illness and disability and will discuss how to recognize patients' and families' reactions to illness and disability. An introduction to the practice of reading and interpreting professional literature will be included.

211. PTA Principles and Procedures II

4 credits

Reviews joint structure, muscle origins, insertions, innervations, actions and physiology. Normal and abnormal gait, orthotics and prosthetics, arthritis and joint replacement and postural correcting exercise are covered along with monitoring techniques, treatment principles and therapeutic exercises for the neck, back, and peripheral joints. General exercise principles and progression of the orthopedic patient through an exercise program will be discussed. Appropriate applications of principles of physics and Kinesiology are addressed. Functional activities and activities of daily living including assistive and adaptive devices are addressed as well as balance training and endurance.

Practice and implementation of theories and techniques in the lab setting. Students will practice on themselves and with each other, assessment and treatment techniques, and the use of equipment needed for the physical therapy treatment of orthopedic disorders, including; additional musculoskeletal measurement and assessment methods, ambulation with assistive devices, wheelchair mobility, and specific therapeutic exercise.

221. PTA Therapeutic Exercises

4 credits

This course is designed to teach exercise rationale and techniques and the application to patients with various disabilities. Muscle testing and goniometry related to the assistant level role will be taught. Emphasis will be on range of motion, mobility, and muscle reeducation.

221. PTA Clinical II

4 credits

Under the guidance of a licensed physical therapist or licensed physical therapist assistant, the student will perform in a clinical environment with patients using application of theory and techniques.

222. PTA Clinical III

4 credits

Under the guidance of a licensed physical therapist or licensed physical therapist assistant, the student will perform in a clinical environment with patients using application of theory and techniques.

223. PTA Clinical IV

4 credits

Continuation of Clinical III.

224. Clinical V

4 credits

Continuation of Clinical IV.

225. Medical Lectures

2 credits

The focus of this course is to introduce the student to medical and pathological conditions commonly encountered in physical therapy. The course will be taught through lectures and video materials.

290. PTA Seminar

3 credits

This course is designed to review and study the breadth of common issues possibly encountered by the practicing PTA, with special emphasis on preparation for the certification examination. Topics addressed will include; medical terminology, anatomy, physiology, Kinesiology, neuroanatomy, physical disabilities, psychological disorders, pediatrics, physical therapy modalities and procedures, and therapeutic exercise and rehabilitation.



176 Physics

PHYSICS

The physics courses offered are designed to help the student attain: 1) an understanding and appreciation of the fundamental laws of nature; 2) preparation for work in graduate and professional schools, and secondary teaching; 3) facility in the use of physics as a tool in engineering and sciences such as biology, geology, and chemistry.

MINOR IN PHYSICS (18 credits)

ELECTIVES: Any 18 credits in Physics except PHY 001.

PRE-ENGINEERING PROGRAM

This is a three-two program whereby students spend three years at Saint Joseph's College and then transfer to any accredited engineering school for two years to complete a B.S. degree in engineering.

After successfully completing one year at the engineering college, the student receives a B.S. degree from Saint Joseph's College. Students in Aeronautical, Civil, Electrical, Industrial, Mechanical, and Metallurgical Engineering will have completed a major in Mathematics-Physics; in Chemical Engineering a major in Chemistry.

Students in the 3-2 program do not have to take the Science Core sequences, but must complete all other Core courses.

PRE-ENGINEERING REQUIRED COMMON COURSES: 11 courses (35 credits)

MTH 125 Calculus I	PHY 121 Mechanics & Heat
MTH 126 Calculus II	PHY 122 Optics, Elect. & Atomic Structure
MTH 235 Calculus III	PHY 233 Statics
MTH 236 Differential Equations	PHY 234 Dynamics
CMP 111 Computer Science I	PHY 236 & 237 Modern Physics I & II

AERONAUTICAL, CIVIL, ELECTRICAL & MECHANICAL (62 credits)

REQUIRED: 7 courses (24 credits)

CHM 121-122 General Chem I & II	PHY 246 Electronics
ECN 223 Prin. of Econ: Microeconomics	MTH 239 Numerical Analysis
ECN 224 Prin of Econ: Macroeconomics	MTH 224 Linear Algebra

ELECTIVES: Any 3 credits from Math or Physics except Civil Engineering must take GEO 111 and Electrical Engineering must take PHY 231.

CHEMICAL-METALLURGICAL (57 credits)

REQUIRED: 5 courses (19 credits)

CHM 233 & CHM 234 Organic Chemistry I	PHY 231 Electricity & Magnetism
CHM 246 Quantitative Analysis	MTH 244 Linear Algebra

ELECTIVES: Any 3 credits in Mathematics.

INDUSTRIAL (63 credits)

REQUIRED: 6 courses (19 credits)

ACC 101-102 Prin of Accounting
 ACC 307 Cost Accounting
 PHY 231 Electricity & Magnetism

MGT 111 Prin of Management
 MKT 112 Prin of Marketing

ELECTIVES: 6 credits from Mathematics and 3 from Physics.

COURSE DESCRIPTIONS**001. Physics for Elementary Teachers****3 credits**

This course in theoretical and practical physics is designed for students intending to teach in elementary schools. It does not count towards the physics minor or the Math/Physics group major. Two lectures and one two-hour laboratory period per week. This course together, with Chemistry 001, satisfies the Indiana Professional Standard Board requirement for laboratory sciences for Elementary Education students.

010. College Physics**4 credits**

This course gives a basic overview of the major areas of Physics. Topics include: Kinematics, Dynamics, Statics, Equilibrium, Conservation of momentum, Conservation of energy, Rotation-angular motion, velocity and acceleration, centrifugal force, Gravitation and Newton's Law, Elasticity and vibration, Wave motion, Interference and standing waves, Fluids, Temperature and thermal expansion, Heat and heat transfer, thermal behavior of gases, Second law of thermodynamics, and Electric charge. There will be weekly laboratories with experiments that correspond to the topics as they are presented in the lectures. A written laboratory report is required for each experiment.

121. Mechanics and Heat**4 credits**

This course is an introduction to classical physics. It covers Kinematics: force, motion, energy, momentum and rotational motion. It also treats fluids, heat, and sound. There are three lectures and one three-hour laboratory each week. Lab fee. Prerequisite: MTH 125

122. Optics, Electricity and Atomic Structure**4 credits**

This course is a sequel to Physics 121. It studies electricity and magnetism, light and optics, and it briefly sketches some selected topics in Modern Physics. There are three lectures and one three-hour laboratory each week. Lab fee. Prereq: PHY 121, MTH 125

231. Electricity and Magnetism**4 credits**

This course covers basic electrical engineering. Topics covered include circuit theory, DC and AC transient and steady state response of RLC circuits, differential equations and Laplace transform methods. In addition, magnetic circuits, electrical machines and feedback control systems are treated. A major emphasis is on problem solving. Three lectures and one three-hour laboratory each week. Lab fee. Prereq: PHY 122, MTH 126

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233. Statics

3 credits

This course treats the fundamental principles of statics, forces, couples, system equilibrium, stresses and strains, area moment of inertia and topics in strength of materials. Engineering applications are emphasized. Three lectures each week.

Prerequisites: **PHY 122 and MTH 126.**

234. Dynamics

3 credits

This lecture course deals with translation, rotation, plane motion, motion of particles and systems of particles, momentum and periodic motion. Three lectures each week.

Prerequisite: **PHY 233**

236-237. Modern Physics

6 credits

These lecture courses deal with topics in Physics that have been discovered since 1900. They include special relativity, wave and particle characteristics of matter, the Bohr model of the atom, atomic structure, nuclear structure and reactions, elementary particles, and solid-state Physics. Topics in astrophysics and cosmology are also briefly outlined. There are three lectures each week. **Prerequisites:** **PHY 122, and MTH 126.**

246. Electronics

4 credits

The topics cover semiconductor physics, diodes, transistors, amplifiers, negative and positive feedback, operational amplifiers, digital and switching circuits, integrated circuits and microprocessor fundamentals. Engineering applications are emphasized. The design and construction of a practical electronic device is a course requirement. Three lectures and one three-hour laboratory each week. Lab fee. **Prerequisite:** **PHY 122**

255. Independent Study

3 credits

339. Digital Elements (CMP 339)

4 credits

In addition to a review of digital arithmetic and Boolean algebra, this course includes the following topics: logic design through the use of digital multiplexors and integrated circuit logic gates; flip-flop storage elements; combination logic circuits; counting circuits; and shift registers. Laboratory work involves the design and implementation of various digital logic units from simple combinational logic circuits to complex sequential logic circuits, by means of small-scale and large-scale integrated circuitry. Three lectures and one three-credits lab each week. **Prerequisite or corequisite:** **CMP 333. Prerequisite: PHY 121-122 or consent of instructor.**

450. Computer Interfacing & Networking (CMP 450)

4 credits

This course deals with serial and parallel device-interfacing techniques. Topics will include DMA transfers and fundamental concepts of computer networking in distributed systems. Application of these techniques will be made in the laboratory. Three lectures and one three-hour lab each week. **Prerequisites:** **CMP 221 and CMP 333.**

451. Senior Project in Hardware Design (CMP 451)

3 credits

A proposal for the project must be presented to the computer science faculty for approval, after which it may be carried out under the direction of a faculty member. The student will make an oral presentation of the completed project to the department. **Prerequisite:** **CMP 450 or consent of the instructor.**

POLITICAL SCIENCE

The political science major offers students an opportunity to gain a systematic understanding of the role of government and political behavior in human societies of the past and present. Such understanding is an important element of a modern college education and contributes significantly to professional and civic judgment. Concentration in political science serves as an appropriate undergraduate preparation for the teaching or practice of politics, the entry into law school, government, business, teaching or the foreign service.

MAJOR IN POLITICAL SCIENCE (37 credits)

REQUIRED COURSES (22 credits)

101 American Politics	225 Statistics
102 Comparative Politics	223 Research Methods in the Soc. Sciences
103 World Politics	401 Seminar in Political Science
104 Political Theory	

Students must also specialize in two of the following three subfields. One subfield, from which the students will choose three courses (9 credits), will constitute the student's primary subfield. The second subfield, chosen by the student, will constitute the student's secondary subfield. Six credits must be taken from this subfield.

American Politics Subfield

204 Major Issues in Constitutional Law	304 Presidency and Congress
403 Constitutional Law -- The American Community	
404 Constitutional Law -- The Bill of Rights	405 Policy Analysis

Comparative and International Politics Subfield

209 U.S. Foreign Policy	406 Human Rights
248 International Relations since 1945	407 International Law & Organizations
310 Women in Politics and Development	

Political Theory Subfield

341 Traditional Political Policy	434 Philosophy of Law
342 Modern Political Philosophy	443 Collective Action & Social Change
406 Human Rights	

MINOR IN POLITICAL SCIENCE (18 CREDITS)

REQUIRED: 4 courses (12 credits)

101 American Politics	103 World Politics
102 Comparative Politics	104 Political Theory

In addition, students must take two courses (6 credits) of Political Science electives; these courses must be taken from two different subfields (see major).

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TEACHER EDUCATION REQUIREMENTS:

Teaching major in Social Studies with a primary area in government and supporting areas in world history and economics must take: POL 101, 102; ECN 223, 224, 334, 333; HST 125; and elect 12 credits from POL 103, 104, 204, 209, 248, 304, 310, 403, 404, 405, 406, 407, 443; and complete the major in political science.

COURSE DESCRIPTIONS

101. American Politics 3 credits

A study of the formal and informal institutions of American national government and politics: The Constitution, the Presidency, Congress, the federal court system, political parties, pressure groups, public opinion, recent foreign policy, the federal bureaucracy, voting behavior. Attention is also given to current problems and issues.

102. Comparative Politics 3 credits

A comparison of modern political life in different types of societies. Similarities, differences, and alternative explanations of the patterns of modern politics are evaluated.

103. World Politics 3 credits

An examination of the twentieth-century context of international relations: nationalism, imperialism, power politics, the evolution of supranational forms of political organizations, and the politics of global trade and international law. Major power shifts of the 1990s will guide discussion about the future configurations of international conflict and peace.

104. Political Theory 3 credits

An analysis of a number of concepts and ideas through a consideration of the work of such authors as Ayn Rand, Elie Wiesel, Albert Camus, Upton Sinclair, Ursula Le Guin, Arthur Koestler, and Aldous Huxley.

204. Major Issues in Constitutional Law 3 credits

A concentrated analysis of the work of the United States Supreme Court in a specific area of law. In addition to the work of the Court, students in this class are also exposed to a large number of extra-legal analyses of the areas under consideration.

209. U.S. Foreign Policy (HST 209) 3 credits

Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.

223. Research Methods in the Social Sciences (HST 223; SOC 223; PSY 223) 3 credits

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research.

225. Statistics (PSY 225; SOC 225) 4 credits

248. The Cold War--Since 1945 (HST 248) 3 credits

The major European developments since World War II. The rise of the U.S.-Soviet competition for world-wide supremacy, with special stress on its implications for Europe. Post-war European reconstruction and movements toward European unity are treated. Offered in alternate years.

304. The Presidency and Congress 3 credits

An examination of the evolution of the Presidency and Congress from Independence to the present.

310. Women in Politics and Development 3 credits

A survey of women worldwide who are involved in processes of change. A review of the literature and appropriate methodologies serve as the framework. Over sixty case studies are examined. Topics of study include women in the world political economy, resistance politics, formal political structures, human rights, and sustainable development.

341. Traditional Political Philosophy (PHL 341) 3 credits

The perennial problems of political and social life, centering on law, justice, equality, the common good, and power, as seen by the Presocratics, Plato, Aristotle, the Stoics, Saint Augustine, Saint Thomas Aquinas, and including modern restatements by Christian thinkers and others.

342. Modern Political Philosophy (PHL 342) 3 credits

Beginning with an analysis of the thought of Machiavelli and Hobbes, this course focuses on modern "isms" such as Liberalism in both its classical and modern form, Conservatism, Socialism, Marxism, Fascism and Nationalism.

401. Seminar in Political Science 3 credits

Builds on classes the student has taken in the discipline and the College's Core program by emphasizing reflective assessment and the development of an original research proposal. Junior or Senior standing.

403. Constitutional Law--The American Community 3 credits

An examination of Supreme Court decisions concerned with the separation of powers, federalism, the regulation of commerce contracts, taxing and spending, and the state police power, including some of the legal problems of urban redevelopment.

404. Constitutional Law--The Bill of Rights 3 credits

An examination of Supreme Court decisions concerned with the definition of American rights in the areas of freedom of speech, press, assembly, association, and religion; church-state relations; racial discrimination; political radicalism and subversion; procedures in criminal prosecution.

405. Policy Analysis 3 credits

An introduction to theories of policy making, policy evaluation, policy implementation,

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agenda setting, etc., through an analysis of government and private activity in such areas as foreign policy, school desegregation policy and housing policy.

406. Human Rights

3 credits

An investigation of human rights practices and violations worldwide with a focus on the theoretical foundations of human rights claims.

407. International Law and Organizations

3 credits

A study of the origins, relevance, and potential of international law and organizations. Areas such as human rights, international criminal law, environmental law, and women's rights are covered in the first half of the semester. Organizations such as the United Nations, International Monetary Fund, General Agreement on Tariffs and Trade, and non-governmental organizations are the focus of the second half of the semester.

415. Topics in Political Science

3 credits

434. Philosophy of Law (PHL 434)

3 credits

An analysis and evaluation of the principle theories on the nature and the purpose of law currently taught in the great law schools of the United States; natural law, legal positivism, and legal realism or sociological jurisprudence. Through critical discussion of these theories and some of the practical and contemporary consequences, students are encouraged to formulate their own philosophy of law. Especially recommended to pre-law and political science students.

443. Collective Action and Social Change (SOC 443)

3 credits

A study of the origins and nature of collective behavior and its relationship to social change. Topics covered include: social movements, community organizations, obstacles to change, patterns and strategies of change.

454. Social Science Seminar

3 credits

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

455. Independent Study

1-3 credits

This class provides students with an opportunity to develop an original research program with consent of the instructor. While students are encouraged to register for Independent Study, the course cannot be counted toward progress in the major or minor.

490. Internship

3 credits

Students are strongly encouraged to consider the possibility of obtaining practical experience in a political organization/institution of their choice. Organizations with an international or domestic focus might be considered by the student. Faculty support is available for arranging internship credits. Up to nine credits can be earned for the internship. Internship credits can be taken as part of the student's general college electives and cannot be counted toward progress in the major or minor.

PSYCHOLOGY

Psychology is a field of inquiry that is sometimes defined as the science of mind, sometimes as the science of behavior. It concerns itself with how and why organisms do what they do. The phenomena that psychology takes as its province cover an enormous range. Some border on biology, others on social sciences such as anthropology and sociology. Fundamentally, psychology concerns itself with four major topics or questions: action (What is it that organisms do and how do they do it?), learning (What do organisms know and how do they come to know it?), social behavior (What influences do social interactions have on the individual's actions, motives, thoughts, and knowledge?), and, individual differences (How and why do individuals differ in their actions, cognitions, and social behaviors?).

A major in psychology is an appropriate preparation for a wide range of vocational paths. Psychology majors have traditionally been able to pursue advanced degrees in areas other than psychology (e.g., law, medicine, literature, journalism, business administration, organizational behavior, etc.) as well as in any of the specialized areas within psychology proper (e.g., clinical, counseling, school, industrial, experimental, etc.). Psychology majors have also traditionally been able to secure immediate employment in a wide range of careers outside mainstream psychology (e.g., business administration, management, human service provision, education support positions, and research and development positions) as well as in more traditional psychological positions (e.g., case worker, social worker, guidance counselor, vocational placement specialist, social service provider).

MAJOR IN PSYCHOLOGY (44 credits)

REQUIRED: (44 credits)

110 Intro to Psych	216 Social Psych	326 Theories of Counseling
119 Marriage & Family	225 Statistics	335 Measurement & Evaluation
123 Developmental Psych	237 Physiological Psych	446 Systems & Theories
125 Theories of Personality	324 Abnormal Psych	448 Professional Seminar
212 Experimental Psych	238 Learning & Memory	OR 239 Cognitive Psych

MINOR IN PSYCHOLOGY (18 credits)

REQUIRED: 1 course (3 credits): 110 Intro to Psychology

Choose 3 credits from:

- 120 Human Sexuality
- 232 Sensation & Perception
- 237 Physiological Psychology

Choose 3 credits from:

- 125 Theories of Personality
- 324 Abnormal Psychology
- 326 Theories of Counseling

Choose 3 credits from:

- 119 Marriage & Family Life
- 134 Industrial & Organizational Psych
- 216 Social Psychology

Choose 3 credits from:

- 238 Learning & Memory
- 239 Cognitive Psychology
- 446 Systems & Theories in Psych

ELECTIVES: Any 3 credits in Psychology

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TEACHER EDUCATION REQUIREMENTS:

Teaching major in Social Studies with a primary area in psychology and supporting areas in world history and sociology. PSY 110, 212, 225; elect 8 credits from PSY: 119, 125, 216, 335; SOC 111, 222 and elect 6 credits from SOC: 112, 119, 220, 227, 302; History 125 and the college major in psychology.

Teaching minor in psychology. PSY: 110, 212, 225 and elect 5 credits from 125, 216, 335.

COURSE DESCRIPTIONS

101. Lab in Alcohol Education

1 credit

A broadly based course which covers the following: human nutrition, use and abuse of drugs and alcohol, homeostasis, sexuality, stress, aging, exercise physiology and changing lifestyles, cancer and radiation, disease and the immune system, heart disease, and human genetics. Cannot be counted for biology, biology-chemistry or medical technology major.

110. Introduction to Psychology

3 credits

An introductory survey of the methods, findings, and theories of modern psychology. Areas discussed include: physiological psychology, sensation and perception, learning, motivation, human development, personality, abnormal behavior, therapy methods, and social behavior.

113. Introduction of Human Services (HSV 113)

3 credits

This course provides an initial exposure to human services as a professional area. Attention is given to social work values, principles, and methods. The functions of social work in a variety of settings, including public welfare, corrections, child care, counseling, school work, and residential treatment, are examined.

114. Social Problems and Social Welfare (HSV 114)

3 credits

In this course American perspectives on social problems and social welfare are placed in historical and theoretical context. Emphasis is given to: 1) the impact of social disparity and political and economic forces on problem/need definition, and 2) the contributions of different theoretical perspectives to problem analyses and strategies of social intervention.

116. Psychology of Personal Adjustment

3 credits

This course focuses on the factors that influence one's interpersonal effectiveness and satisfaction with life. Self-knowledge and personal application of psychological principles are stressed. Topics covered include: personal growth, intimate relationships, career decision making, loneliness, death, and values clarification. **No prerequisite.**

119. Marriage and Family Life (SOC 119)

3 credits

A review of the social-cultural factors that shape the nature of courtship, marriage, and family relationships. Special emphasis is placed on changes in contemporary Western societies. The psychological dynamics of marriage and family life are discussed in detail. Self-actualization of individual family members, communication within the family, and task-orientation are taught as skills. **No prerequisites.**

120. Human Sexuality 3 credits

The major objective of this course is to promote an informed acceptance of one's own sexuality and that of others through a thorough examination of what is now known on the subject. The course focuses on the widely varying range of emotions, attitudes, and behavior that are associated with one's understanding of one's own sexual anatomy and physiology of others. **No prerequisites.**

123. Developmental Psychology 3 credits

This course will study human development from conception to death. The development of human intellectual, emotional, social and psychological processes will be considered as well as certain aspects of physical development. **Prerequisite: PSY 110. (Fall semester of odd-numbered years)**

125. Theories of Personality 3 credits

This course is a survey of the major theories that have influenced contemporary thought on the subject of personality. Personality theory itself is viewed as a way of understanding the behavioral consistency an individual exhibits from one situation to another, as well as the behavioral inconsistency a given individual often exhibits. **Prerequisite: PSY 110.**

134. Industrial and Organizational Psychology 3 credits

This course studies the application of psychological theories and methods to problems in the work context. Special attention will be given to the effects of organizational manipulations on individual behavior. Topics will include current issues and traditional areas (personnel selection, motivation, job satisfaction, work environment, human performance.) **Prerequisite: PSY 110.**

142. Contemporary Social Policy (SOC 142, HSV 142) 3 credits

This course examines social policy on national, state, and local levels. Primary but not exclusive focus is on the United States. Attention is given to current issues in social planning, macro-level intervention, the relationship between public and private institutions, policy implementation at the agency level, and mechanisms of policy change.

212. Experimental Psychology 4 credits

An examination of the experimental approach to understanding behavior. Students gain experience designing, conducting, analyzing, and reporting experimental research in psychology through laboratory projects. Typical research topics include such areas as social psychology, learning, etc. Lab fee. **Prerequisites: PSY 110 and 225 (Winter semester)**

216. Social Psychology (SOC 216) 3 credits

This course focuses on the psychology of the individual in society. More particularly, it investigates the influence process of society on the individual. Topics covered typically include: person perception, attraction aggression, attitudes and attitude change, conformity, social conflict, and social justice. **Prerequisite: PSY 110.**

186 Psychology**225. Statistics (SOC 225; POL 225)****4 credits**

An introduction to statistical methods covering data description, graphing techniques, measurement scales, standardized scores, correlation, regression, elementary probability, repeated measures and independent-groups t-tests, one way and factorial analysis of variance, chi-square, and general non-parametrics. The approach to these topics is more conceptual than numerical or mathematical. A prior knowledge of junior high school algebra is strongly encouraged. **No prerequisite (Fall semester)**

228. Family and Groups (HSV 229)**3 credits**

This course introduces students to the types and styles of intervention utilized by human services providers. Special attention is given to interview skills, needs assessment, the uses of verbal and non-verbal communication in the intervention process, and record keeping. Methods and practices related to individuals, families, and small groups are discussed. (Typically taken in conjunction with a 1 credit practicum)

229. Practice With Individuals (HSV 228)**3 credits**

This course is a continuation of the previous segment, but with an added emphasis on group work, program design, models for evaluating intervention effectiveness, and ethical issues related to the Human Services profession. (Typically taken in conjunction with a 1 credit practicum)

230. Computer Applications in Social Science Research (SOC 230)**3 credits**

This course investigates the uses of the computer as a tool in social science research. Topics covered include: history, computer hardware and software, applications in various research settings, programming languages, data collection, data analysis, word processing, and elementary programming. **Prerequisites: PSY 110 and 225.**

232. Sensation & Perception**3 credits**

An introduction to the current theory and research in sensation and perception with special emphasis on visual processes. Topics include sensory discrimination, recognition, attention, and the role of motivation in perception. **Prerequisite: PSY 110**

237. Physiological Psychology**3 credits**

This course investigates the relationship between the brain and behavior, between physiological functions and behavior. Major emphasis will be placed on understanding the function of the central and peripheral nervous systems and how they relate to areas of motivation, perceptual and motor systems, sleep and wakefulness, language and memory. **Prerequisite: PSY 110.**

238. Learning and Memory**3 credits**

This course will cover the major areas and theories of learning. Issues in classical and operant conditioning will be discussed. Areas in current learning, species-specific behaviors, and preference will also be covered. Part of the course will also be devoted to human learning, memory capacity, and knowledge acquisition. **Prerequisite: PSY 110.**

239. Cognitive Psychology 3 credits

This course covers the areas of human judgment, problem solving, psycholinguistics, information processing, artificial intelligence, memory, sensation, and perception.

Prerequisite: PSY 110.

240. Topics in Psychology/Psychological Services 3 credits

This course is flexible in content, with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include counseling and guidance, exceptional individuals, problems of the aged, animal behavior, etc.

255. Independent Study in Psychology 3 credits

A flexibly structured course to allow the advanced student to pursue individual study in a specific area under the supervision of a member of the department. The course is available every semester but may be taken only with written permission from a member of the department.

324. Abnormal Psychology 3 credits

The dynamics of abnormal behavior are studied as the basis for detailed consideration of the neurotic personality, psychosomatic disorders, and behavior deviations. Further topics include the effects of brain injuries and the major psychoses, especially schizophrenia. Considerable attention is given to the specific methods of psychotherapy.

Prerequisite: PSY 110.

326. Theories of Counseling and Psychotherapy 3 credits

This course is a survey of the major theories that have influenced contemporary psychological thought on the subject of psychotherapy. Psychotherapy is viewed as an interpersonal process designed to bring about modifications of feelings, cognitions, attitudes, and behaviors which have proven troublesome to the person seeking help from a trained professional. The basic assumption of the course is that therapeutic skills and attitudes are learned, not endowed. **Prerequisites:** PSY 110.

223. Research Methods in the Social Sciences 3 credits

(HST 223; POL 223; SOC 223)

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research.

335. Psychological Measurement and Evaluation 3 credits

This course is designed to study the theory, administration, scoring and interpretation of the standard instruments employed in psychological measurement and evaluation. Emphasis is given, in particular, to the assessment of intellectual ability, aptitudes and achievement, and, personality functioning. **Prerequisites:** PSY 110 and 225.

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360-370. Human Services Practicum (SOC 360-370; HSV 360-370) 1-3 credits

Practica are designed to provide students with experience in service settings under supervision of professional staff members. For each academic credit, 30 hours of direct contact are required. All practica are offered every semester, but may be taken only with written permission of the field experience coordinator. **Prerequisite: SOC or PSY 114.**

360 Aged	364 Mental Health	368 Health
361 Child Guidance	365 Public Welfare	369 Research
362 Crime & Delinquency	366 Developmental Disability	370 Needs Assessmnt
363 Family Services	367 Student Affairs	

A student is limited to a maximum of 12 credits of practica under the departments of HSV, PSY or SOC.

390. Field Experience (Internship) 6 credits

An assignment of eight to fifteen weeks with an approved organization. Each student will be assigned to a professional supervisor and will carry out a variety of on-the-jobs tasks. For Human Services students, six credits are applied to psychology and where appropriate three additional credits may be applied to sociology.

Prerequisite: consent of the Field Experience Coordinator.

433. Phenomenology and Behavioral Science (PHL 433) 3 credits

An introduction to the basics of phenomenology, with special emphasis on the model of being human, the theory of knowledge and the understanding of science as elaborated by Edmund Husserl and his disciples. The revolutionary developments which phenomenology has brought about in psychology and sociology are also studied. **Prerequisite: PSY 110 or PHL 111.**

446. Systems and Theories in Psychology 3 credits

A comprehensive and synthesizing course for upper level psychology majors or minors. An attempt is made to integrate the entire field of psychology into a meaningful structure. **Prerequisite: 12 credits of psychology.**

448. Professional Seminar 3 credits

Intensive consideration of student-selected topics led by the students themselves with guidance from the staff. A major project (e.g., a research experiment or literature review) will be required of all students. Also required will be the presentation of said projects in a colloquium setting. Required for graduation of all students majoring in Psychology. **Prerequisite: 24 credits of psychology.** (Offered every winter semester)

454. Social Science Seminar 3 credits

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

RELIGION

The study of religion and its impact on our world is an integral part of the liberal education offered by Saint Joseph's College. Every student is required to deal with religious and philosophical concepts throughout the Core program. As a part of its Catholic identity, the College offers a deeper reflection and study of religion through a combined major with philosophy or a minor in religion.

Religious experience is universally a part of the human condition. The religion minor offers the student the opportunity to study and reflect on the foundational sources and the human response to the Divine through a system of beliefs, worship and morality. Both the Core curriculum and the religious studies department recognize the importance of dialogue in our contemporary pluralistic world. The study of religion requires an integrative mind, utilizing the natural and humane sciences (psychology, sociology, anthropology, linguistics, pedagogy, etc.) and challenges the student toward an expanded world view.

MAJOR IN RELIGION/PHILOSOPHY (36 credit credits):

REQUIRED: 8 Courses (24 credits)

- PHL 111 - Phil of Human Nature
- PHL 121 - Phil of Religion
- PHL 421 - Metaphysics

- REL 112 - Christian Scriptures
- REL 201 - Moral Theology

Choose one course from each area:

Dogma

- REL 231 - Ecclesiology & Ecumenism
- REL 232 - Christianity in History
- REL 234 - Christology

Worship/Sacraments

- REL 331 - Sacramnts:Encounter w/God
- REL 332 - Worship, Belief & Praxis
- REL 333 - Theology & Prac of Ministry

History of Philosophy

- | | |
|-------------------------------|--------------------------------|
| PHL 221 - Ancient Philosophy | PHL 231 - Modern Philosophy |
| PHL 222 - Medieval Philosophy | PHL 232 - Contemporary Thought |

ELECTIVES: Any 12 credits from Philosophy or Religion.

MINOR IN RELIGION (18 credit credits)

REQUIRED: 3 courses (9 credits):

- | | |
|---------------------------------------|------------------------------------------|
| 111 Introduction to Hebrew Scriptures | 112 Introduction to Christian Scriptures |
| 121 Philosophy of Religion | |

ELECTIVES: Any 9 credits in Religion.

COURSE DESCRIPTIONS**111. Introduction to Hebrew Scriptures** 3 credits

This course introduces the student to the study of the Hebrew Scriptures. A principle goal of the course is to become familiar with the various methodologies utilized in contemporary scripture study and to become aware of the major themes in the Hebrew Scriptures.

112. Introduction to Christian Scriptures 3 credits

This course provides an introduction to the Christian Scriptures utilizing the tools of modern biblical scholarship. One of the goals of this course is to introduce the student to the sources and foundational themes of the Christian faith through a historical critical investigation of the Christian Scriptures.

121. Philosophy of Religion (PHL 121) 3 credits

This is the departmental introduction to the study of religion. Emphasis is placed on human experience of the divine and seeks to awaken an awareness of the diversity of the human response to the concept of the divine.

142. Christian Bioethics (PHL 142) 3 credits

This course examines significant issues in contemporary biomedical ethics. Students learn the major theological/philosophical principles employed by bioethicists and application of these principles to important cases. Students discuss current issues in contemporary health care within the context of the Christian Perspective of respect for the dignity of human persons. The central question of the course is whether certain actions and practices affecting human life and health are consistent with an understanding of human beings as created in the *image and likeness of God*.

201. Studies in Moral Theology 3 credits

An examination of Christian morality within its historical, theological, and psychological framework. This course will examine the principles affecting the moral life as a response to the Divine. It investigates themes such as formation of conscience, sin and guilt, grace and salvation, and the historical development of Christian morality. Special attention will be paid to contemporary concerns in Christian morality.

231. Ecclesiology and Ecumenism 3 credits

A study of the Church through an investigation of several models to assist the student in understanding the nature and role of the church throughout Christian history into contemporary times. There is special emphasis on ecumenical theology.

232. Christianity in History (HST 359) 3 credits

This course provides a survey of Christian history. Special attention will be given to the methodological concerns of historical investigation. In some cases, a particular historical period may be the focus of the course.

234. Christology	3 credits
An examination of the person Jesus the Christ. Students will be encouraged to investigate the development of the understanding and significance of Jesus through various Conciliar documents, to arrive at their own understanding of Jesus the Christ.	
258-9. Religious Thinkers	3 credits
An in-depth study of various major figures in the history of Christianity. This course offers the opportunity for serious investigation of a variety of religious thinkers utilizing interests of department members and students interest.	
331. Sacraments and the Encounter with God	3 credits
This course examines the sacraments as privileged ways of encountering God through human experiences of prayer in an assembled community. The relationship of the sacraments to Jesus and the Church will also be examined. Special attention will be paid to growing ecumenical agreement about sacraments.	
332. Worship, Belief, and Praxis	3 credits
A study of the expression of Christian worship through art and symbol. There is special concern for the nature and function of worship in Christianity. Attention will also be focused on the interaction of the liturgical life and life in the world.	
333. Theology and Practice of Ministry	3 credits
A study of Christian ministry, a theology of ministry, and the contributions to ministry made by other humane disciplines. The role of ordained and lay ministry will be examined as well as assisting the student in beginning to formulate her/his theology of ministry. This course would be recommended for students wishing to participate in some form of Church related ministry.	
355. Independent Study	1-3 credits
358-9. Special Studies in Religion	1-3 credits
A study in a major religious topic. Courses reflect the interest and research of department members.	
391. Ministry practicum	1 credit
Offered in coordination with Campus Ministry, this offers the student an opportunity to reflect theologically on various ministries that the student has experienced, such as: retreats, youth groups, counseling, advocacy, and service work.	
392. Liturgy practicum	1 credit
Offered in coordination with Campus Ministry, this offers the student an opportunity to reflect theologically on his or her work with campus liturgies, parish liturgical planning, and other liturgical ministries.	

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SOCIOLOGY

Sociology as a science of society and human interests develops our understanding of how we, as social beings, are woven into the fabric of our society; it aids us in understanding what is happening about us and what social forces are coming to bear on our lives. It is distinguished by two characteristics: 1) its approach to phenomena is scientific; 2) its subject matter is human interaction. The Department of Sociology also strives to introduce students to the scientific study of cross-cultural differences and similarities.

The Sociology major is designed to prepare students for continuing education on the graduate level or for immediate employment especially in social and public service. Those who major in sociology find their studies useful in seeking employment in industrial and personnel management programs, in counseling and directing activities for various age groups, in urban planning careers and in education on the secondary level. Others who have majored in sociology pursued graduate studies in sociology or in the fields of social work, law, business administration, anthropology, education, and public administration.

MAJOR IN SOCIOLOGY (36 credits)

REQUIRED: 6 courses (19 credits)

111 Intro to Sociology	221 Social Theory	224 Soc. Research Design
112 Culture & Society	223 Research Methods	225 Statistics

Choose a minimum of 12 credits from:

114 Social Problems & Soc. Welfare	227 Racial & Ethnic Relations
115 Gender and Culture	302 Political Sociology
117 Juvenile Justice	442 The Urban Community
119 Marriage & Family	443 Collective Action & Social Change
216 The Individual & Society	446 Criminal Law
220 Criminology	447 Law and Society
222 The Social Self: Socialization	454 Social Science Seminar
226 Industrial Sociology	

ELECTIVES: Any 6 credits from Sociology.

MINOR IN SOCIOLOGY (18 credits)

REQUIRED: 2 courses (6 credits)

111 Intro to Sociology	112 Culture & Society
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Choose 6 credits from:

114 Social Problems & Welfare	216 The Individual & Society	220 Criminology
119 Marriage & Family Life	227 Racial & Ethnic Relations	302 Political Soc.
117 Juvenile Justice	115 Gender and Culture	

ELECTIVES: Any 6 credits from Sociology

TEACHER EDUCATION REQUIREMENTS:

Teaching major in Social Studies with a primary area in Sociology, and supporting areas in Psychology and World History: SOC 111, 222; 12 credits from 112, 119, 220, 225, 227, 302 and the College major in Sociology; HST 125; PSY 110, 212, 225; elect 6 credits from PSY 119, 120, 125, 216, 335.

Teaching minor in Sociology: SOC 111, 220; 9 credits from SOC 112, 119, 222, 225, 302.

COURSE DESCRIPTIONS**111. Introductory Sociology 3 credits**

This course is a study of human relationships. It is an introductory survey of the concepts, theories and methods used to explain social behavior.

112. Culture and Society 3 credits

This course focuses on the great diversity of living cultures revealing the range of human values, world-view, language and adaptations to survival. Theories of differences of culture--pre-literate and modern, the formation of personality and the importance of social structure will be studied.

113. Introduction to Criminal Justice 3 credits

This course will offer students an overview of the entire field of criminal justice. The course will introduce students to: elements of criminal law, profiles of offenders, profiles of victims of crime, the prevalence of crime, the enforcers of law, and the punishment of criminals. The course will also include information about the prevention of criminal activity.

114. Social Problems and Social Welfare (PSY 114; HSV 114) 3 credits

In this course American perspectives on social problems and social welfare are placed in historical and theoretical context. Emphasis is given to: 1) the impact of social disparity and political and economic forces on problem/need definition, and 2) the contributions of different theoretical perspectives to problem analyses and strategies of social intervention.

115. Gender and Culture 3 credits

A study of male-female relations from a cross-cultural perspective. Consideration is given to the place of men and women in the social, economic, political and religious realms of various societies, including contemporary America, and to differing theories and conceptualizations of gender role differences and similarities.

117. Juvenile Justice 3 credits

This course involves a study of the juvenile justice system. Areas of focus include: types of offenders, the extent of the juvenile delinquency problem, historical developments in the handling of juvenile offenders, and the current structure, objectives, responsibilities, and functions of the juvenile justice system.

194 Sociology**119. Marriage and Family Life (PSY 119)****3 credits**

A review of the social-cultural factors that shape the nature of courtship, marriage and family relationships. Special emphasis is placed on contemporary Western societies. The dynamics of marriage and family life are discussed in detail. Self-actualization of individual family members, communication within the family, and task-orientation are taught as skills.

216. The Individual and Society; Social Psychology (PSY 216)**3 credits**

This course concerns itself with interpersonal relations. The material will be reviewed from an interactionist framework, with the contention that human behavior and social order are products of communication.

220. Criminology**3 credits**

Study of the factors that cause crime and criminal behavior, organization of criminal behavior, theories and practices of criminal control and rehabilitation.

221. Social Theory**3 credits**

Social theory focuses on the organic, conflict and social behavioristic schools of theory. Representatives studied are the classical social theorists Durkheim, Marx, and Weber and selected modern theories. This course is an upper-level course required of majors and generally taken in junior or senior year. The course is taught in alternate years, the fall semester of even numbered years. **Prerequisite: SOC 111**

222. The Social Self: Socialization**3 credits**

A study of the process by which people acquire physical, mental and social skills needed to survive and become both individuals and members of society. The primary focus is on the process of socialization from childhood through adulthood.

223. Research Methods (HST 223; POL 223; PSY 223)**3 credits**

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research. **Prerequisite: SOC 111.**

224. Sociological Research Design**3 credits**

Continuation of SOC 223. Required course with emphasis on designing their own research projects. Winter semester of odd numbered years.

Prerequisites: SOC 111 and 223.

225. Statistics (PSY 225; POL 225)**4 credits**

An introduction to statistical methods covering data description, graphing techniques, measurements scales, standardized scores, correlation, regression, elementary probability, repeated-measures and independent-groups t-tests, one way and factorial analysis of variance, and chi-square. The approach to these topics is more conceptual than numerical or mathematical. A knowledge of junior-high school algebra is helpful. (Fall semester).

226. Industrial Sociology **3 credits**

Relationships of modern industrial organizations to other institutions in society, political systems, social class systems, etc. Concerns within an industrial plant are formal and informal patterns of behavior and intergroup conflicts and adjustments.

227. Racial and Ethnic Relations **3 credits**

An analysis of relations between dominant and minority populations (e.g. racial, ethnic, cultural, and religious groups) in complex societies, with emphasis given to the contemporary United States.

302. Political Sociology **3 credits**

A study of the social basis of political behavior and beliefs, and the social foundations of political institutions at both local and extra-local levels.

332. Crime Preventions **3 credits**

This course will emphasize the prevention of criminal activity. This includes strategies to help prevent oneself from becoming a victim, and protect one's property. We will learn about a variety of crime prevention programs used by police from all over the country. Special emphasis will focus on identifying problems, and stopping criminal activity and preventing future criminal activity.

333. Corrections **3 credits**

This course focuses on institutions of corrections, particularly jails and prisons. It will include the changing nature of institutions of incarceration, and current problems faced by wardens, guards, and inmates, and the changing nature of the inmate population. Attention will also be given to alternatives to incarceration.

359. Topics in Sociology/Social Services **3 credits**

This course is flexible in content, with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include contemporary theory, the sociology of religion, gerontology, the sociology of sport, etc.

360-370. Practicum (PSY 360-370; HSV 360-370) **1-3 credits**

Practica are designed to provide students with experience in service settings under supervision of professional staff members. For each academic credit, 30 hours of direct contact are required. All practica are offered every semester, but may be taken only with written permission of the field experience coordinator. **Prerequisite: SOC or PSY 114**

360 Aged	364 Mental Health	368 Health
361 Child Guidance	365 Public Welfare	369 Research
362 Crime & Delinquency	366 Developmental Disability	370 Needs Assessmnt
363 Family Services	367 Student Affairs	

A student is limited to a maximum of 12 credits of practica under the departments of HSV, PSY or SOC.

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390. Field Experience (Internship)

6 credits

An assignment of eight to fifteen weeks with an approved organization. Each student will be assigned to a professional supervisor and will carry out a variety of on-the-job tasks. For human services students, six credits are applied to sociology and where appropriate three additional credits may be applied to psychology. Prerequisite: consent of the field experience coordinator.

442. The Urban Community

3 credits

A review of the processes underlying the development of rural, urban and suburban communities. Special emphasis is given to the neighborhood structure and organization, housing and land use, human behavior, patterns of community growth, and community planning.

443. Collective Action and Social Change (POL 443)

3 credits

A study of the origins and nature of collective behavior and its relationship to social change, topics covered include: social movements, community organizations, obstacles to change, patterns and strategies of change.

446. Criminal Law

3 credits

Criminal law is the body of law defining crimes. Cases and statutes describing the essential elements of substantial criminal law will be analyzed. Crimes prohibited by Acts of Congress and triable in federal court as well as those prohibited under state law and triable in state courts will be among the topics studied.

447. Law and Society

3 credits

This course examines some of the interrelationships among law, culture and society. It includes units in the following areas: (1) the disputing process and dispute resolution from a cross-cultural perspective, (2) the American legal system in practice, and (3) law and social change.

454. Social Science Seminar

3 credits

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

455. Independent Study

3 credits

A flexibly structured course allowing a student to pursue a specific topic or field experience under the supervision of a member of the department or a field representative. Consent of director necessary.

RENSSELAER PROGRAM OF CHURCH MUSIC AND LITURGY

This summer program of Saint Joseph's College offers the opportunity to study music and liturgy together in one, well-balanced blend. The program is pastorally oriented, ideal for parish musicians whose main responsibility is assisting the assembly to sing. It is also well suited for parish liturgists, school music teachers and others who can strengthen their ministry with a knowledge of both disciplines.

Students may emphasize organ, voice, composition, music education, or liturgy. They may work towards academic degrees, continuing education credits, or personal enrichment. The Master of Arts in Music: Concentration in Church Music and Liturgy is the primary degree offered. The program also offers undergraduate bachelor and associate degrees. It recognizes continuing education with the Certificate in Church Music and Liturgy, and with the Diploma in Pastoral Liturgy. Persons who wish to pursue personal enrichment may enroll for the "July Sabbatical."

A compact, one month format provides flexibility so that lay professionals, with career and family responsibilities, may readily take advantage of the program. The session regularly is during the month of July. The program runs Monday through Friday to accommodate persons with weekend responsibilities or family commitments.

Learning is in a communal setting where students quickly get to know each other, bond, and find mutual support and encouragement. Faculty participate in most of the community functions. The faculty are also readily available to students for individual attention.

Faculty and students gather several times a week for the Eucharist, evening prayer, or some other form of communal worship. Students have "hands on" opportunities to plan and participate in these celebrations.

History of the Program

In 1960, Saint Joseph's College initiated its Summer Institute of Liturgical Music, which offered a comprehensive program leading to the Bachelor of Arts Degree or to a Certificate. In 1963, the Institute was extended to the full school year and two additional concentrations were added, piano and organ. A concentration in Theory and Composition was introduced in 1965. Music Education was added in 1967. In 1970, the designation of the Liturgical Music concentration was changed to Church Music in order to indicate that the training provided could well fit the needs of both Roman Catholic church musicians and those of other faiths.

A graduate program was initiated in 1966 in affiliation with DePaul University Graduate School: Music Division. On July 28, 1972, North Central Association of Colleges and Secondary Schools granted full accreditation to Saint Joseph's College independent graduate program, offering a Master of Arts Degree in Music with a concentration in Church Music.

MASTER OF ARTS IN MUSIC

Concentration in Church Music and Liturgy

This graduate degree is designed for the person who has already attained a bachelor's degree, has a competence in music, and would now like to specialize in church music and liturgy. It is a 30-31 credit degree. Assuming that no undergraduate deficiencies remain, the course work can be completed in four summers. The graduate paper and

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service recital, part of the degree requirement, are to be done outside of these four summers.

The degree allows for an emphasis in organ, voice, composition, conducting, or music education. It is possible to do two emphases in this degree, but this usually extends the course work beyond the four summers.

UNDERGRADUATE DEGREES

Bachelor of Arts in Music

Concentration in Church Music

For those seeking their first degree, the Bachelor of Arts degree requires 120 credits, including forty-five credits of integrated liberal arts courses (Cores 1-10), at least fifty credits of music and liturgy, and eighteen credits in a minor. The music courses may be in the following emphases: composition, conducting, guitar, piano, organ, or voice. This degree requires some work during the regular academic year. It cannot be completed in summers alone.

For those who already have a bachelor's degree in some area, the integrated liberal arts courses and the minor are not required.

Associate of Arts in Church Music and Liturgy

This degree also is for the person seeking a first degree. It requires thirty-six credits of music and liturgy, and twenty-four credits of integrated liberal arts courses (Cores 1,2,3 and 4). At least thirty credits must be taken from Saint Joseph's College. For those who already have a bachelor's degree in some area, the liberal arts courses are not required, but at least eighteen credits must be taken from Saint Joseph's College.

CONTINUING EDUCATION

Certificate in Church Music and Liturgy

The certificate is designed for the person who desires to take courses in the field of church music and liturgy, but does not necessarily envision the completion of a degree. The certificate requires 25-26 credits. A minimum of 12 credits must be taken from Saint Joseph's College. Others may be transferred or dispensed in virtue of proficiency examinations. Keyboard ability adequate to accompany hymns is a prerequisite. Courses taken to achieve the certificate may later be applied towards the associate or bachelor of arts degree.

Diploma in Pastoral Liturgy

The diploma is designed for the person who would like to acquire a foundational knowledge in liturgy. It is well suited to the needs of a pastoral liturgist, a pastoral musician who is already trained in music, or the like. The diploma is 20 credits of course work and can be completed in four consecutive summers. It does not lead to a formal degree, but courses taken may be later applied towards the graduate or undergraduate degrees.

July Sabbatical

The session can be taken for personal enrichment as a brief, refreshing summer sabbatical. Enrolling as a July Sabbatical student allows one to choose courses as desired, participate in the community functions and liturgies, consult with faculty, and enjoy the rural, spacious campus.

Summer Chorus

A very popular summer chorus is also part of the program. The chorus has frequently sung at conventions of the National Association of Pastoral Musicians. Full time students are required to be part of the chorus.

Financial Aid

The National Association of Pastoral Musicians and the Friends and Alumni of the Rensselaer Program each provide a full tuition scholarship. Partial tuition scholarships are also available.

MASTER OF ARTS IN MUSIC

Concentration: Church Music and Liturgy

Admission Requirements

1. Bachelor's degree from a recognized college or university.
2. Cumulative index of 2.50 in undergraduate work.
3. Successful completion of placement examinations. Examinations are required in music theory keyboard harmony, Eighteenth-century counterpoint, and history, piano, organ (performance and service playing), voice, and conducting. If an examination is failed, the applicant may elect to retake the examination at a later time or to enroll for credit in a comparable undergraduate course. Placement examinations are to be taken at the beginning of the summer session in which the student initiates work toward the graduate degree.
4. Those choosing the composition emphasis must also submit two of their most advanced, recent compositions and demonstrate undergraduate proficiency in orchestration.

Requirements for Admission to Candidacy for the Degree

In order to be admitted to candidacy for the degree the student must fulfill the following requirements:

1. Have removed all deficiencies.
2. Have successfully passed at least six credits of graduate work with an index of 2.5 or better.
3. Completed the Application for Admission to Candidacy for the Master's Degree and received approval of same from the graduate music faculty.

Graduation Requirements

1. Admission to candidacy as described above.
2. The successful passing of thirty or more credits applicable toward the degree as indicated in one of the five emphases with a grade of C or above.
3. A cumulative index of 3.00 or above.

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4. The fulfillment of residence and time requirements, as follows:
 - a. **Residence.** Normally all courses for the degree must be taken at SJC. With special permission of the Graduate Director a maximum of six credits of graduate work may be transferred from another institution provided the grade earned was B or above.
 - b. **Time.** All work applicable toward the degree must have been done within the span of seven years. Work beyond seven years before the proposed graduation must be validated by a special examination.
5. Graduation Projects as follows:

a. For ORGAN, VOICE, CONDUCTING, and COMPOSITION EMPHASIS
Service Recital **3 credits**

This designation is to be rather broadly understood in that the performance may take any of five forms: organ, voice, conducting, composition, or lecture with demonstration. The student should design and produce the service, function in the service in a significant performing capacity, and show how theological-liturgical meaning is articulated and expressed in the service. This meaning should be documented for the professor guiding the student in the preparation of the service and successfully communicated. All stipulations of the approved Guidelines for the Service Recital are to be strictly observed. A video tape of the Service Recital is to be submitted to the graduate director.

Research Paper **1 credit**

The research paper, between 30 and 50 pages, is to treat a topic involving music in worship, e.g., the role of the cantor, sacramental rite(s), the psalms, etc. Historical, theological and musical dimensions should enter into the research. Standard format is prescribed. One copy is to be submitted to the faculty director, who in turn submits it to the graduate director. All stipulations of the approved Guidelines for the Research Paper are to be strictly observed.

The graduation project may be fulfilled over two summers.

b. For MUSIC EDUCATION EMPHASIS

Students who choose the music education emphasis must prepare and present a music practicum in educational setting as their graduation project (3 credit credits). This practicum must include the conducting of both instrumental and vocal music. A research paper on the content of the presentation is to be submitted to the instructor for the graduate files.

Independent Study

The graduate program provides the opportunity for a student to pursue special topics or projects apart from regularly scheduled courses. The student registers for such independent study at the beginning of the session.

Directed Study

Occasionally a student may need a course listed in the graduate bulletin but not officially offered in the given summer session. Registration for such a course requires the approval of the Vice President for Academic Affairs and the consent of the appropriate instructor. The number of instructor-student meetings is determined by the instructor.

Student Counseling

When a student makes formal application for admission to candidacy for the degree, an advisor in the area of emphasis will be selected. Members of the graduate faculty are eligible to serve as advisors. Standard forms for this purpose are available at the office of the Graduate Director.

Class Load

The normal class load for the summer session is six to seven credits. Exceptions need the approval of the Graduate Director.

Grading System and Quality Points

Graduate courses are graded as follows:

A -- excellent; above average	4 quality points
B -- good, average	3 quality points
C -- passing; below average but sufficient for earning credit	2 quality points
F -- failure	0 quality points
I -- incomplete (must be completed within 5 weeks or becomes an F)	
W -- withdrawal	
Z -- audit	

Class Withdrawal

A student who withdraws from a course before the stated deadline for the summer session will receive a W in the course.

A student who withdraws later than one week before the stated deadline for the summer session will receive an F in the course.

Non-Degree Seeking Students

Qualified students may enroll for individual courses with the approval of the Graduate Director.

Prerequisite courses taken at Saint Joseph's College must be taken for credit.

Program of Studies

All Emphases [with adjustments for Music Education as noted below] (17 credits):

511. Liturgical Foundations: Theology, History and Praxis	3 credits
513. Liturgy Planning & Coordinating of Ministries	3 credits
514. Recent Liturgical Documents and the Rites	2 credits
611. Sixteenth-century Counterpoint	3 credits
647. Principles of Service Playing	1 credit
648. Principles of Cantoral Singing	1 credit
680. Graduate Service Recital	3 credits
681. Graduate Research Paper	1 credit

Courses 647, 648, 680 and 681 are not required of the Music Education emphasis.

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Organ Emphasis (additional 13 credits; 30 credits total)

One of the following courses in conducting:

621. Gregorian Paleography and Chironomy	2 credits
622. Score Preparation & Conducting: Renaissance & Baroque Church Music	2 credits
623. Score Preparation and Conducting: Twentieth-century Church Music	2 credits
624. Score Preparation & Conducting: Classical & Romantic Church Music	2 credits
631. Organ Literature and Registration I (beginning to 1750)	2 credits
632. Organ Literature and Registration II (1750 to the present)	2 credits
633. Organ Structure and History	1 credit
635. Survey of Sacred Keyboard Music	1 credit
641. Organ	4 credits
642. Voice	1 credit

Voice Emphasis (additional 13 credits; 30 credits total)

612. Survey of Sacred Choral Music	2 credits
621. Gregorian Paleography and Chironomy	2 credits
One of the following: 622, 623, 624 (cf. above)	2 credits
634. Hymnody and Psalmody	2 credits
642. Voice	3 credits
651. Vocal Pedagogy for the Classroom teacher	2 credits

Composition Emphasis (additional 14 credits; 31 credits total)

612. Survey of Sacred Choral Music	2 credits
613. Twentieth-century Techniques	2 credits
623. Conducting and Score Reading: Twentieth-century Church Music	2 credits
634. Hymnody and Psalmody	2 credits
614. Composition I	2 credits
615. Composition II	2 credits
616. Composition III	2 credits

Conducting Emphasis (additional 19 credits; 30 credits total)

612. Survey of Sacred Choral Music	2 credits
621, 622, 623, and 624 (cf. above)	8 credits
634. Hymnody and Psalmody	2 credits
642. Voice	2 credits

Music Education Emphasis (additional 14 credits; 31 credits total)

612. Survey of Sacred Choral Music	2 credits
622, 623, or 624 (Cf. above)	2 credits
671, Music Practicum in Education Setting	3 credits
Graduate Music or liturgy elective	2 credits
Applied Music	4 credits
Six credits of the following:	
651a. Keyboard Pedagogy for the Classroom Teacher	1 credit
651b. Vocal Pedagogy for the Classroom Teacher	2 credits
652. Composing and Arranging for the Classroom Teacher	3 credits

653. Teaching Instrumental Music at the Primary and Secondary Levels

3 credits

Courses 647, 648, 680 and 681 are not required. With permission of the Graduate Director, six credits of graduate music or music education may be substituted for Liturgy 513 and 514.

BACHELOR OF ARTS IN MUSIC (120 credits)

Concentration in Church Music and Liturgy

Admission Requirements

Admission requirements for the bachelor's degree are those of the college.

Program of Studies

45 credits of integrated liberal arts courses (Cores 1-10)

013 Music Fundamentals	2 credits
120 Music Theory I	3 credits
121 Music Theory I Lab	1 credit
122 Music Theory II	3 credits
123 Music Theory II Lab	1 credit
224 Music Theory III	3 credits
225 Music Theory III Lab	1 credit
226 Music Theory IV	3 credits
227 Music Theory IV Lab	1 credit
328 18th Century Counterpoint	3 credits
331 Music History & Literature: Antiquity to Early Baroque	2 credits
332 Music History and Literature: Mature Baroque to Beethoven (inclusive)	2 credits
350 Principles of Conducting	2 credits
351 Advanced Conducting: Choral and Instrumental	2 credits
365 Keyboard Harmony & Extemporization	3 credits
433 Music History and Literature III	2 credits
434 Music History and Literature IV	2 credits
Liturgy (any courses)	6 credits

Choose one of the following emphases:

Organ:	Piano (4)	Organ (8)	Voice (2)
Voice:	Piano (4)	Organ (2)	Voice (8)
Guitar:	Guitar (6)	Keyboard (4)	Voice (4)
Conducting:	Piano (4)	Organ (4)	Voice (2)
Composition:	Piano (6)	Organ (2)	Voice (2)
Piano:	Piano (8)	Organ (4)	Voice (2)

ASSOCIATE OF ARTS IN CHURCH MUSIC AND LITURGY (60 credits if first degree, otherwise 36 credits)

Admission Requirements

Admission requirements are those of the college. See page 17.

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Program of Studies

24 credits of integrated liberal arts courses (Cores 1-4) (Not required if a person already has a bachelor's degree.)

17 credits in Music History, Theory, and Conducting as follows:

010 Synthesis of Music History I (to 1700)	1 credit
011 Synthesis of Music History II (1700-1900)	1 credit
012 Synthesis of Music History III (Contemporary)	1 credit
013 Music Fundamentals	2 credits
120 Music Theory I	3 credits
121 Music Theory I Lab	1 credit
122 Music Theory II	3 credits
123 Music Theory II Lab	1 credit
350 Principles of Conducting	2 credits
351 Advanced Conducting: Choral and Instrumental	2 credits

10 credits in Applied Music

30B Piano 2 credits	30D Guitar 2 credits	30A Voice 2 credits
30C Organ 3 credits	39 Elective 1 credit	

9 credits in Liturgy including:

513 Liturgy Planning and Coordinating of Ministries	3 credits
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Residence Requirement

30 credits for those seeking their first degree.

18 credits for those who already have a bachelor's degree.

CERTIFICATE IN CHURCH MUSIC AND LITURGY (25-26 credits)

Prerequisite

Keyboard ability to accompany service music and hymns.

Program of Studies

12 credits in Music Theory and Conducting

013 Music Fundamentals	2 credits
120 Music Theory I	3 credits
121 Music Theory I Lab	1 credit
122 Music Theory II	3 credits
123 Music Theory II Lab	1 credit
350 Principles of Conducting	2 credits

Applied Music

3 credits in piano, organ, voice or guitar OR 351 Advanced Conducting

2 credits

12 credits in Liturgy, including:

511 Liturgical Foundations: Theology, History, and Praxis

3 credits

513 Liturgy Planning and Coordinating of Ministries

3 credits

Residence Requirement (12 credits)**DIPLOMA IN PASTORAL LITURGY (20 credits)**

514 Recent Liturgical Documents and the Rites	2 credits
513 Liturgy Planning and Coordinating of Ministries	3 credits
517 Rites of Christian Initiation	2 credits
518 Sacraments in Tradition, Theology and Parish Celebration	2 credits
519 Environment in Worship	1 credit
520 Sanctification of Time: Liturgy of the Hours	2 credits
521 The Eucharist in Christian Tradition	2 credits
522 The Liturgical Year	2 credits
Electives in Liturgy	4 credits

Residence Requirements (14 credits)**COURSE OFFERINGS****Graduate courses in Music****Theory and Composition****611. Sixteenth-century Counterpoint 3 credits**

Understanding and appreciation of sixteenth-century contrapuntal style are fostered through performance and analysis of vocal polyphony of the period. Exercises, using the species approach with polyphonic modes, are written in open score with C clefs from two to four voices. The course includes a library research project. **Prerequisite:** The student must have passed the graduate placement exam in theory.

613. Twentieth-century Techniques 2 credits

A practical survey of selected twentieth-century compositional techniques, using both non-traditional materials and procedures, and traditional materials and procedures in non-traditional ways. **Prerequisite:** Music 23 (Theory IV) or its equivalent.

614. Composition I 2 credits

Compositions for any of the following: vocal solo; keyboard solo; vocal ensembles with keyboard accompaniment and/or instrumental descants. **Prerequisites:** Music 23 (Theory IV) and 62 (Advanced Undergraduate Composition) or their equivalents.

615. Composition II 2 credits

Continuation of Music 614 with attention to composing for instruments. **Prerequisite:** Music 614

616. Composition III 2 credits

Composition of works for vocal and/or instrumental combinations. **Prerequisites:** Music 614,615

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Conducting

621. Gregorian Paleography and Chironomy

2 credits

Gregorian square-note notation is studied in itself and in the light of paleographic evidence, especially that of the St. Gall and Messine notational schools. Practical chironomy, based on modal, textual, and rhythmic analysis, as well as on paleographic evidence, forms the core of the course. Emphasis is placed on actual singing and chironomy (conducting).

622. Score Preparation and Conducting: Renaissance and Baroque Church Music

2 credits

Review of conducting patterns and techniques. Study and conducting of selected Renaissance and Baroque sacred masterworks. The course will include analysis, preparation of conducting scores, and consideration of performance practices.

Prerequisite: Passing of graduate placement exam in conducting

623. Score Preparation and Conducting: Twentieth-century Church Music

2 credits

Review of conducting patterns and techniques. Study and conducting of selected twentieth-century sacred masterworks. The course will include analysis, preparation of conducting scores, and consideration of performance practices. **Prerequisite: Passing of graduate placement exam in conducting.**

624. Score Preparation and Conducting: Classical and Romantic Church Music

2 credits

Review of conducting patterns and techniques. Study and conducting of selected classical and romantic sacred masterworks. The course will include analysis, preparation of conducting scores, and consideration of performance practices. **Prerequisite: Passing of graduate placement exam in conducting.**

History and Literature

612. Survey of Sacred Choral Music

2 credits

An historical study of stylistic and formal development in, and musical, textual, and liturgical analysis and evaluation of sacred vocal music, including the following forms: mass, motet, vespers, hymns, antiphon, psalm, response, sequence, cantata, passion, oratorio.

631. Organ Literature and Registration I

2 credits

A study of organ literature and the instruments for which it was written, from the earliest times through the music of Johann Sebastian Bach. Authentic registration practices are included.

632. Organ Literature and Registration II

2 credits

A study of organ literature and the instruments for which it was written, from the Classical period to the present. Authentic registration practices are included.

633. Organ Structure and History	1 credit
A study of the history and of the mechanical aspects of the organ. Guidelines for choosing and designing an instrument for the parish church will also be included.	
634. Hymnody and Psalmody	2 credits
A study of the history and literature of hymnody and metrical psalmody, with a view to incorporating the knowledge acquired into the student's ministry to a singing church. Special attention is focused on style, historical development, poetic meters, indices, choral arrangements, and liturgical appropriateness.	

635. Survey of Sacred Keyboard Music	1 credit
Recently published keyboard music for liturgical services will be surveyed. It will be evaluated according to its musical qualities, textual value, and appropriate use in the liturgy.	

Music Education

651a. Keyboard Pedagogy for the Classroom Teacher	1 credit
A study of uses for the keyboard in the pre-college classroom and of current pedagogical practice and teaching materials, with attention to both individual and group instruction.	

651b. Vocal Pedagogy for the Classroom Teacher	2 credits
A comparative study of vocal methods. Content includes such areas as teaching vocal production and interpretation and solving vocal problems, such as those occasioned by the changing voice.	

652. Composing and Arranging for the Classroom Teacher	3 credits
A practical approach to composing and arranging original or public domain materials for use in student instruction and liturgical participation.	

653. Teaching Instrumental Music at the Primary and Secondary Levels	3 credits
A basic "How to" course, addressing all aspects of teaching instrumental music at the primary and secondary levels. Included will be a brief review of instrumental literature, current method books and techniques, as well as a consideration of the administration and organization of the instrumental music program.	

671. Music Practicum in Educational Setting	3 credits
(For details, cf. <u>Requirement for Graduation</u> .)	

Applied Music

641. Organ	1 credit
642. Voice	1 credit
643. Piano	1 credit
645. Performance Recital	Variable credit

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646 Guitar; Prerequisite: Music 366 or its equivalent.

1 credit

647. Principles of Service Playing

1 credit

A course in the practical aspects of the use of organ/piano in service playing. Included are proper hymn playing techniques and registrations, alternate harmonization's, the use of the organ/piano with guitars and cantor/congregation music, and basic improvisation.

648. Principles of Cantoral Singing

1 credit

Exploration of the role of the cantor in bringing the song of the worshipping assembly to life by serving as musical "minister of Presence" in facilitating the people's prayer in song. Course content includes the history of the cantor, pertinent Church documents, vocal production and interpretation, improvisation, cantoral style, and literature.

680. Graduate Service Recital

3 credits

The purpose of the service recital is to provide an opportunity for students to demonstrate their skill of integrating liturgical and musical elements into a unified worship experience. The service recital must include significant elements of both liturgy and music. It must result in an aesthetic and clearly articulated expression of genuine worship.

681. Graduate Research Paper

1 credit

501. Summer Chorus

1 credit

The summer chorus offers an opportunity to train under a master conductor and participate in the singing of sacred masterworks. The chorus meets four times a week and presents an annual concert. Full time Church Music and Liturgy students are required to participate. Credit is optional. The grade will be PASS/NOT PASS.

655. Independent Study

1-3 credits

660. Seminar (variable content)

1-3 credits

Graduate Courses in Liturgy

511. Liturgical Foundations: Theology, History Praxis

3 credits

Theological perspectives will be developed from the *Constitution on the Sacred Liturgy* and from dialogue with other Christian traditions.

The major periods of development in the Christian tradition of worship will provide the historical perspective. Presentations will be kept concrete and pastoral by regular reference to current questions and problems of worship celebrations.

512. Liturgical Thinking and Practice (variable content)

2 credits

513. Liturgy Planning and Coordinating of Ministries

3 credits

Designed to foster one's ability to plan liturgy by enabling the understanding that preparing for the celebration of liturgy is a ministry and therefore an art. Rooted in the liturgy documents of the Church, this course will promote the experience of liturgy as "the

center of the whole Christian life". To this end the elements that serve and support liturgical action: music, movement, spoken word, acclamations, silence, environment and the coordination of the various ministries, will be examined. Lecture, dialog, and discussion, as well as experimentation through presentations and projects will provide the ground work for a positive experience in liturgy planning and the coordination of ministries.

514. Recent Liturgical Documents and the Rites**2 credits**

Against the background of various basic liturgical documents, this course will study the Praenotanda (Introductions) of all the rites in order to discern patterns which reveal the meaning, importance, and dignity of the rite. Ritual structure, ministries, forms of celebration, adaptations, and pastoral preparation will be investigated with a view toward facilitating and developing conscious and active participation in the rites.

516. Practicalities of Lay Liturgical Leadership**1 credit**

How does one help the liturgy come alive in the parish so as to form and transform the worshipping community? The course will address such things as how to use liturgical books; planning and presiding at wakes, committal services, devotions and Liturgy of the Hours; using the arts to enhance the symbol and ritual aspects of celebration and other practical points of working with worship committees and liturgical ministers. Time will also be allotted for addressing those needs suggested from the group.

517. Rites of Christian Initiation**2 credits**

Initiation into the Church, a practice among the early Christians, will be studied in its restored and revised version. The student will examine the process of discerning and ritualizing the stages of conversion in the context of the support, prayer, and witness of the entire faith community--a process which leads through the sacraments of baptism and confirmation to the celebration of the Eucharist in the Easter Vigil. Anthropological, historical, theological and liturgical considerations will be included. Pastoral application will be stressed.

518. Sacraments in Tradition, Theology, and Parish Celebration**2 credits**

Developing understanding of sacrament will be traced through scripture, tradition, and current thinking. Sacraments regularly celebrated in a parish (Infant Baptism, Marriage, Anointing, Reconciliation) will each be considered in history of development, theological tradition, and pastoral parish celebration.

519. Environment in Worship**1 credit**

This course will consider the worship of God and its requirements of tradition, community, hospitality, the experience of mystery, and the opening up of religious symbols as these relate to the environment and art in Catholic worship. The principles set forth in *Environment and Art in Catholic Worship* will be examined and used as criteria in judging a wide variety of environmental situations.

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520. Sanctification of Time: Liturgy of the Hours

2 credits

An overview of the Divine Office from Early Christianity to the present. Attention will be given to the daily prayer in the Pre-Constantinian Church, the development of the Divine Office, the classic Cathedral Offices, the classic Monastic Offices, Medieval choir offices and accretions, attempts at reform, and the post-Vatican II Liturgy of the Hours. Special stress is placed on contemporary pastoral celebrations.

521. The Eucharist in Christian Tradition

2 credits

A study of the Eucharist as the central sacrament in the life of the Church, considered in its biblical, ritual, historical, and theological dimensions. This will be accomplished by analysis of ritual elements in their Jewish roots, as well as in scripture and patristic writings, followed by a survey of the history of the sacrament up to the present. Emphasis will be placed on the pastoral character of Eucharist in the life of the Church.

522. The Liturgical Year

2 credits

Sunday, seasons, and saints will be investigated from a historical/theological perspective. Pastoral insights will be regularly drawn with a view to current parish celebration. Marian feasts will be given special consideration.

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Philip Gehring

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William Jon Gray

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The Rensselaer Program of Church Music and Liturgy was founded by Lawrence F. Heiman, C.P.P.S., who directed the program for 36 years. Father Heiman now, with emeritus status, continues to teach in the program.

Application and admission information is available by contacting the director: Reverend James Challancin, Saint Joseph's College, P.O. Box 984, Rensselaer, IN 47978. Telephone: 219-866-6352 or 1-800-447-8781; FAX: 219-866-6102; E-mail: jamesc@saintjoe.edu

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218 Administration and Faculty

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220 Administration and Faculty

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Walter A. Scherb (1969)

Assistant Professor of Business Administration

B.S., Northern Illinois University, 1965; M.S., Northern Illinois University, 1967.

Edie K. Schmidt (1996)

Assistant Professor of Management

B.S., Arizona State University, 1982; M.B.A., University of Southern California, 1987; Ph.D., Purdue University, 1996.

Mark Seely (1997)

Assistant Professor of Psychology

B.S., Eastern Washington University, 1991; M.A., University of California, Davis, 1993; Ph.D., University of California, Davis, 1996.

Albert J. Shannon (1992)

President, Professor of Education

B.A., Marquette University, 1971; M.Ed. Boston University, 1972; Ph.D., Marquette University, 1978; N.E.H. Summer Fellow, 1987, 1988; Institute for Educational Management, Harvard University, 1989; American Council on Education Fellow, 1990-91.

Cindy Snyder (1994)

Assistant Professor of Psychology and Sociology

B.A., Denison University, 1978; M.A., Ohio State University, 1983; M.S.W., Indiana University-Purdue University at Indianapolis, 1990; Ph.D., Ohio State University, 1994.

William J. Stang, C.P.P.S. (1977)

Professor of Biology

B.S., Saint Joseph's College, 1968; M.Div., Catholic Theological Union, 1977; M.A., Indiana State University, 1981; Clinical Pastoral Education, Wales, Wisconsin, summer 1975 and Mendotta State Hospital summer 1982; M.D., Indiana University Medical School, 1987.

Robb Thiel (1993)

Assistant Professor of Music

B.M.E., University of Evansville, 1979; M.S.E., Indiana University, 1989.

Ralph C. Verdi, C.PP.S. (1974)*Associate Professor of Music*

B.A., University of Dayton (Philosophy), 1967; B.A., Saint Joseph's College (Music), 1969; M.A., University of Dayton, 1969; M.Div., Saint Bernard's Seminary, 1971; M.M., University of Rochester, Eastman School of Music, 1974; Ph.D., Catholic University of America, 1991.

Jody Taylor Watkins (1985)*Reference/Assistant Librarian and Assistant Professor*

B.A., University of Maine at Presque Isle, 1983; M.L.S. George Peabody College for Teachers of Vanderbilt University, 1984; M.S., Purdue University (Anthropology), 1994.

Peter Watkins (1989)*Associate Professor of Political Science*

B.A. (Hons), University of Warwick, 1981; A.M., Washington University, 1983; Ph.D., Washington University, 1995.

William A. White (1985)*Professor of History*

B.A., Miami University, 1969; Ph.D., Northwestern University, 1974; NEH Summer Seminar, University of Wisconsin, 1985.

Phillip Wiseley (1997)*Assistant Professor of Criminal Justice and Sociology*

B.A., University of Arizona, 1990; M.A., University of Arizona, 1992; Ph.D., University of Arizona, 1997.

Cheryl Wistrom (1993)*Associate Professor of Chemistry*

B.S., Northern Michigan University, 1984; M.S., University of Michigan, 1986; Ph.D., University of Michigan, 1991.

Chau-Ming Wong (1997)*Assistant Professor of Psychology*

B.A., College of Saint Benedict, Minnesota, 1985; M.A., University of Notre Dame, 1990; Ph.D., University of Notre Dame, 1992.

EMERITI FACULTY**Charles Banet, C.PP.S. (1949-1993)***President Emeritus**Associate Professor Emeritus of Classical Studies*

B.A., Saint Joseph's College, 1950; M.A.L.S., University of Michigan, 1951; University of Michigan, 1951-52; Appointed President, 1965; American Council on Education Presidents' Institute, University of Wisconsin, Summer, 1967; Litt.D., Calumet College, 1969; LLD, Saint Joseph's College, 1991.

Allen J. Broussard (1964)*Associate Professor Emeritus of Accounting*

B.S., University of Southwest Louisiana, 1958; M.B.A., University of Arkansas, 1960; C.P.A., State of Indiana, 1968.

222 Administration and Faculty

Raymond M. Cera, C.PP.S. (1948-1983)

Professor Emeritus of Romance Languages

B.A., Saint Joseph's College, 1949; M.A., Saint John's University (Brooklyn), 1951.

Michael E. Davis (1952)

Professor Emeritus of Geology

B.S., Kansas State University, 1950; M.S., Kansas State University, 1951; N.S.F., Summer Institute, Millsaps College, 1968; Summer Institute, Wayne State University, 1969; Department of Energy Study, Miami University, 1977.

Dominic B. Gerlach, C.PP.S. (1952)

Professor Emeritus of History and German.

M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956; Goethe Institut, Munich, Summer, 1962 and 1972; Catholic University of America, Summer, 1965.

Ambrose J. Heiman, C.PP.S. (1969-1980)

Professor Emeritus of Philosophy

B.A., Saint Joseph's College, 1940; M.A., University of Toronto, 1942; L.M.S., Pontifical Institute of Medieval Studies, Toronto, 1947; Ph.D., University of Toronto, 1949; S.T.L., The Catholic University of America, 1953.

Lawrence F. Heiman, C.PP.S. (1943)

Professor Emeritus of Music

B.A., Saint Joseph's College, 1945; M.A., Catholic University of America, 1949; Marquette University, Summer, 1950; L.C.G., Pontifical Institute of Sacred Music (Rome), 1958; M.C.G., Pontifical Institute of Sacred Music (Rome), 1959; D.S.Mus., Pontifical Institute of Sacred Music (Rome), 1970.

Leonard J. Kostka, C.PP.S. (1948-1979)

Professor Emeritus of Religion

J.C.L., Catholic University of America, 1942; Seton Hall University, Summer, 1948; Saint Louis University, Summer, 1954.

William J. Kramer, C.PP.S. (1953)

Professor Emeritus of Chemistry

L.Sc.N., University of Fribourg (Switzerland). 1951; Sc.D., University of Fribourg (Switzerland), 1952.

Hermes D. Kreilkamp (1967)

Professor Emeritus of History and Philosophy

B.A., Mary Immaculate College, 1945; S.E.O.L., Pontifical Oriental Institute (Rome), 1951; Ph.D., Catholic University of America (History), 1964; M.A., Catholic University of America (Literature), 1966; M.S.L.S., Catholic University of America, 1976.

Edward P. McCarthy, C.PP.S. (1957-1980)

Professor Emeritus of Philosophy

M.A., Catholic University of America, 1945.

Andrew G. Mehall (1961-1992)*Professor Emeritus of Biology*

B.S., University of Detroit, 1957; M.S., Syracuse University, 1961; Ph.D., University of Illinois, 1970; Research Participant, Illinois Institute of Technology, 1971; N.S.F. Summer Institute, University of Washington, 1965.

Charles J. Robbins, C.PP.S. (1940-1978)*Professor Emeritus of Classical Languages*

B.A., Saint Joseph's College, 1940; M.A., Catholic University of America, 1945; Litt.D. Saint Joseph's College, 1978.

Jacob S. Rodia (1963-1989)*Professor Emeritus of Chemistry*

B.S., Loyola University (Illinois), 1945; M.S., University of Illinois, 1948; Ph.D., University of Illinois, 1952; N.S.F. Summer Institute, University of Akron, 1968; N.S.F. Summer Institute, Duke University, 1969.

Charles R. Rueve, C.PP.S. (1946)*Professor Emeritus of Mathematics*

B.A., Saint Joseph's College, 1947; M.S., University of Notre Dame, 1949; Ph.D., University of Notre Dame, 1963.

Richard F. Scharf (1940-1981)*Professor Emeritus of Physical Education*

B.S., Saint Joseph's College, 1938; M.E. in P.Ed., Indiana University, 1949; LL.D., Saint Joseph's College, 1982.

Robert J. Vigeant (1975-1993)*Assistant Librarian and Assistant Professor Emeritus*

A.B., Assumption College, 1950; M.S., Simmons College, 1957.

Willard G. Walsh (1954-1978)*Professor Emeritus of Speech*

B.S., United States Military Academy, 1938; M.F.A., Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953; Litt.D., Saint Joseph's College, 1978.

Paul R. White, C.PP.S. (1956-1992)*Professor Emeritus of Economics*

B.A., Saint Joseph's College, 1954; University of Michigan, Summer, 1955; M.A., Catholic University of America, 1956; Cornell University.

ASSOCIATE FACULTY**John Barrientos (1980)***Lecturer in Physical Education*

B.S., Saint Joseph's College, 1951; M.S. Purdue University, 1974.

Dea Bejster (1998)*Lecturer in English*

B.S. Murray State University, 1991; M.A., Purdue University, 1997.

William Bland (1992)*Lecturer in Physical Education*

B.A., North Park College, 1982.

224 Administration and Faculty

Joyce J. Butler (1992)

Lecturer in Education

B.S., Indiana State, 1975; M.S., Indiana State, 1978.

Karen Craig (1977)

Professor of Education

B.S.Ed., Carlow College, 1964; M.Ed., Pennsylvania State University, 1970; Ed.D., University of North Dakota, 1973; B.S. (Psychology) Saint Joseph's College, 1982.

Terry M. Butler (1992)

Lecturer in Education

B.S., Ball State University, 1973; M.S. Indiana Univ. 1980.

Catherine Fay, B.V.M. (1977)

Lecturer in Core

B.A., Clarke College, 1949; M.A. (Education), Saint Louis University, 1954; M.A. (Theology), Marquette University, 1967.

John D. Groppe (1962)

Professor of English

B.S., City College of New York, 1954; M.A., Columbia University, 1957; University of Notre Dame, 1957-62. N.E.H. Fellowship, Dartmouth College 1975-76.

Wanda Gifford, RN, MSN, FNP

Lecturer in Nursing

Diploma, St. Elizabeth School of Nursing, 1984; B.S.N., St. Joseph's College, 1988; M.S.N., Valparaiso University, 1991; Post Master, Family Nurse Practitioner, Valparaiso University, 1997.

Anne M. Gull (1996)

Lecturer in Chemistry

B.S., Saint Francis College, 1990; Ph.D., Purdue University, 1995.

Bernard E. Hannon (1992)

Lecturer in Education

B.S., Indiana University, 1961; M.S., Indiana Univ. 1963.

Darren Hass (1997)

Lecturer in Physical Education

B.S., Saint Joseph's College, 1997.

Troy Hershman (1997)

Lecturer in Physical Education

B.S., Ball State University, 1992; M.S. University of Utah, 1995.

Richard L. Hoover (1998)

Lecturer in Physical Therapist Assistant

B.S., Ball State University, 1963; Certificate, Physical Therapy, Ohio State University, 1965; M.A., Ball State University, 1966.

John R. Jezierski (1986)

Lecturer in Nursing

B.S.N., Loyola University; M.S.M. St. Xavier College, C.N.A.A.

Duvall Jones (1973)

Professor of Biology

A.B., Western Maryland College, 1955; M.S., University of Maryland, 1961; Ph.D., University of Florida, 1967.

Judith Kanne (1984)*Visiting Professor of Education*

B.S. in Ed., Indiana University, 1963; M.S. in Ed., Indiana University, 1974.

William Masseols (1996)*Lecturer in Physical Education*

B.S., Saint Joseph's College, 1989.

J. Philip McGraw (1984)*Lecturer in Business Law*

B.S., Saint Joseph's College, 1970; J.D., Valparaiso University, 1973; National Judicial College (Reno), 1978.

Louisa A. Monfort (1982)*Lecturer in Art*

B.A., University of California, 1973; Oregon School of Arts and Crafts; Oregon State University; B.F.A., Art Institute of Chicago, 1987; M.F.A., Art Institute of Chicago, 1990.

Trischelle T. Morgan (1998)*Lecturer in Physical Education*

B.S., University of Utah, 1994; M.A. California State University at Fresno, 1998.

Michael Moyzis (1989)*Lecturer in Physical Education*

B.S., University of Illinois, 1976; M.B.A., University of Illinois, 1986.

William Oates (1992)*Lecturer in Journalism*

B.A. Milligan College, 1971; M.A. University of Akron, 1984.

Kathryn O'Neall (1988)*Lecturer in Business Law*

B.A., Indiana University, 1970; J.D., Indiana University Law School, 1975.

Heidi Rahe (1988)*Lecturer in Communication*

B.A., Concordia College, 1982; M.A., North Dakota State University, 1984.

Anita Reed, RN, MSN (1992)*Lecture, in Nursing*

B.S.N., Ball State University; M.S.N., Valparaiso University, 1994.

Thomas Riva (1998)*Lecturer in Physical Education*

B.A., Albion College; M.A., Western Kentucky University, 1993.

Thomas J. Ryan (1990)*Lecturer in Education*

B.A., Saint Joseph's College, 1970; M.S., Purdue University, 1973; Ed.D., Nova Southeastern University, 1995.

Gwyn Skrobol*Lecturer in Core*

B.S., Towson State University, 1984; M.A., Governor's State University, 1996.

Richard Stefanich (1989)*Lecturer in Education*

B.A., Saint Joseph's College, 1964; M.A., Purdue University, 1973.

226 Administration and Faculty

Linda J. Taulman (1989)

Lecturer in Education

B.S., Indiana State University, 1972; M.S. University of Arizona, 1976.

Joseph Tousinaut (1998)

Lecturer in Physical Education

B.A., Albion College, 1990.

Bonita Zimmer (1980)

Lecturer in Art

B.F.A., Indiana University, 1973; B.S., Indiana University, 1975. M.A. Purdue University, 1986.

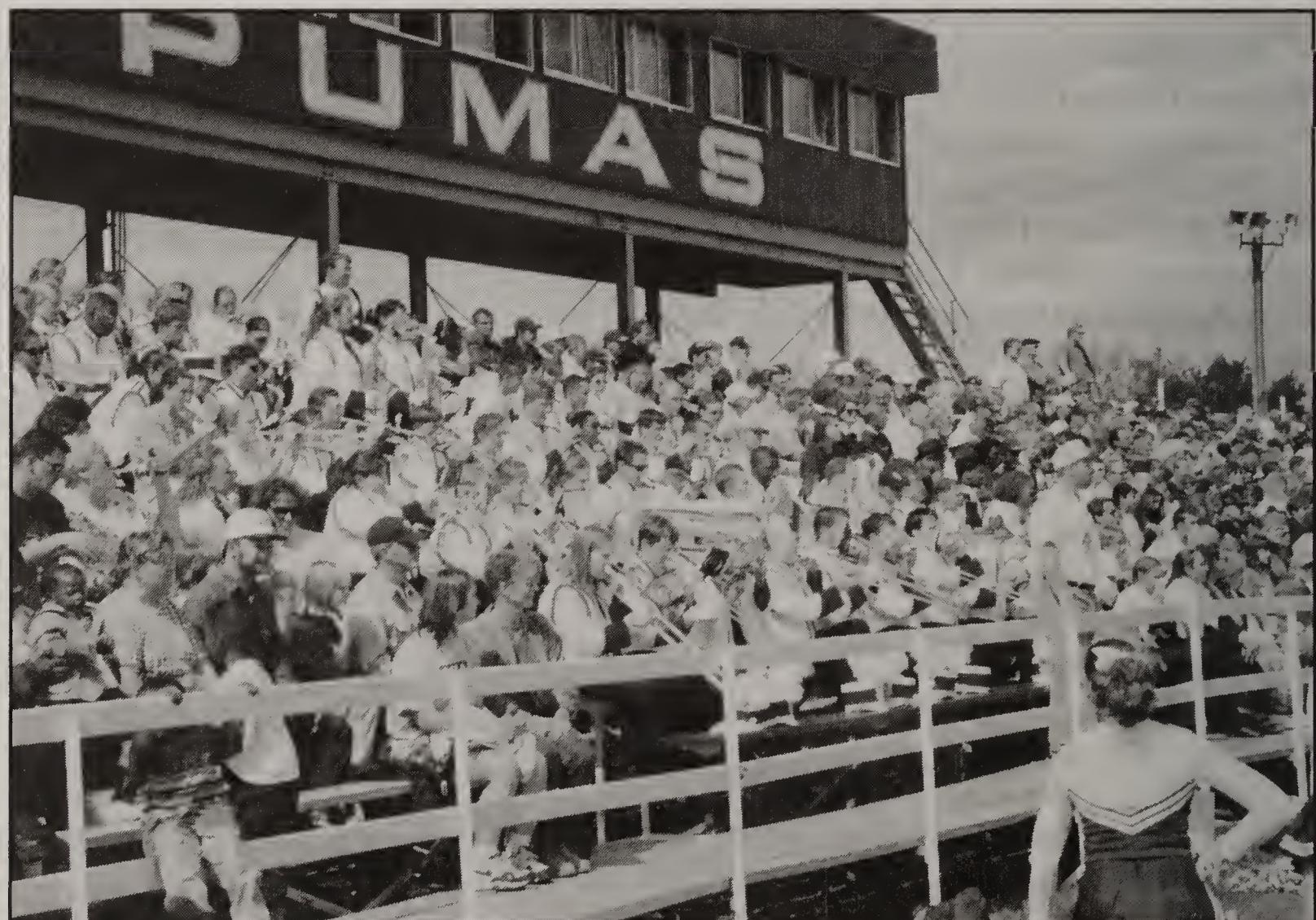
ASSOCIATE FACULTY IN AFFILIATED MEDICAL TECHNOLOGY PROGRAMS

Rosemary Butkiewicz

St. Margaret Mercy Hospital, Hammond, Indiana

Shirley Replogle

Ball Memorial Hospital, Muncie, Indiana



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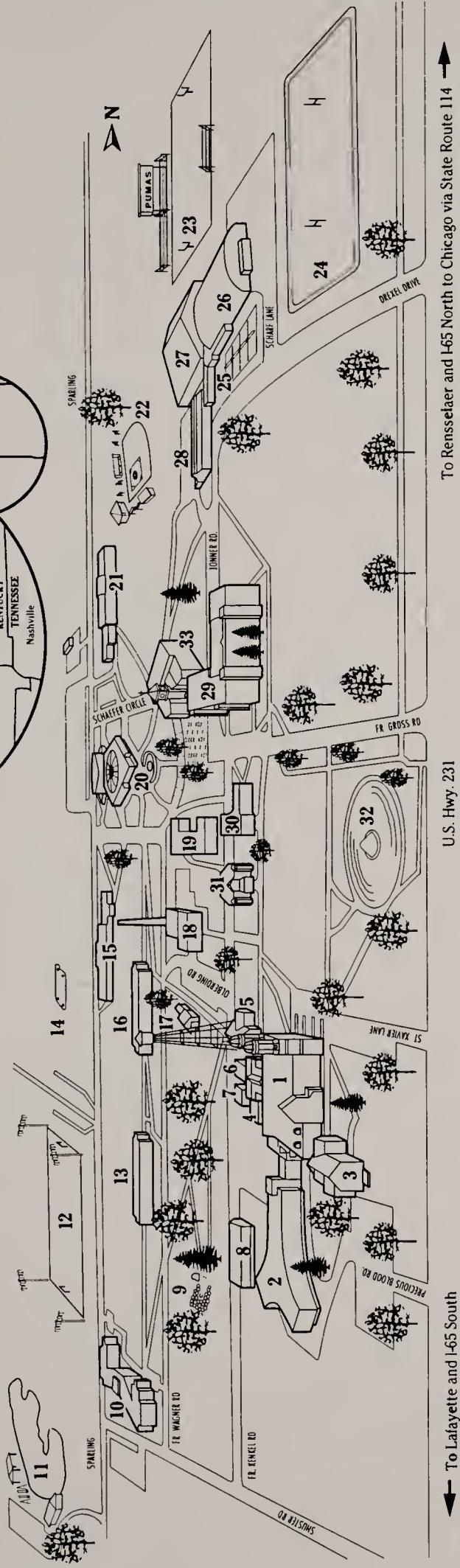
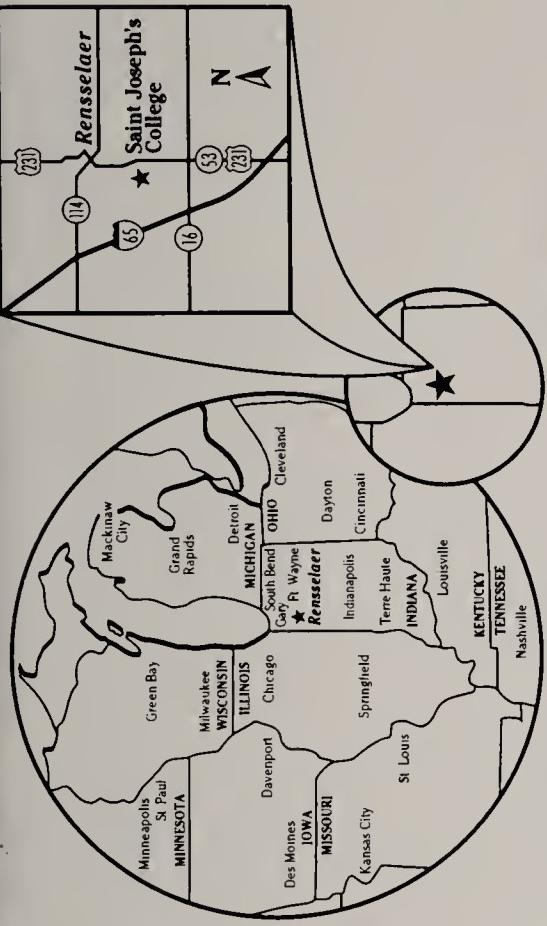
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Notes

Notes

SAIN^T JOSEPH'S COLLEGE

INDIANA



→ To Lafayette and I-65 South

→ To Rensselaer and I-65 North to Chicago via State Route 114 →

- [1] **Main Chapel** - Chapel, TV studio, radio station WPUW, psychology lab offices, campus newspaper STUFF; William L. Downard Faculty Club, small dining room, Board of Trustees meeting room.
- [2] **Schletermann Hall** - residence for priests and brothers, facilities for the nursing program, Johnson Health Center, Public Relations and Publications, Admissions Welcome Center.
- [3] **Xavier-McHale Administration Bldg.** - administrative offices, President, Registrar, Institutional Advancement & Marketing, Alumni, Admissions, Financial Aid, Bank, Business, Math lab.
- [4] **Aquinas Hall Education Bldg.** - Education, Multicultural Affairs Resource Center, non-traditional student housing.
- [5] **Administrative Computer Center** - administrative data processing, faculty offices, copy center.
- [6] **Student Computer Center** - computer laboratory
- [7] **Post Office** - public post office.
- [8] **Maintenance Bldg.** - carpenter, lock, paint shop.
- [9] **Lourdes Grotto** - Grotto and Stations of the Cross.
- [10] **Justin Hall** - women's dormitory.
- [11] **Lake Banet Park** - recreation facility
- [12] **Joseph L. Minelli Memorial Field** - men's and women's soccer.
- [13] **Halas Hall** - women's dormitory
- [14] **Softball Field** - women's softball.
- [15] **Noll Hall** - men's dormitory
- [16] **Gallagher Hall** - men's dormitory
- [17] **Lawn Shop** - lawn.
- [18] **Power Plant** - mechanical, electrical & HVAC heating & plumbing.
- [19] **Selfert Hall** - men's dormitory.
- [20] **Halleck Student Center** - Career Planning and Placement, Student Association, Multicultural Affairs, classrooms, faculty offices, Counseling Services, Bookstore, Student Affairs, Campus Life, Campus Ministry, Switchboard, ballroom, Security and Safety, student dining room, HUB snack bar, CORE XI, Day student lounge.
- [21] **Bennett Hall** - men's dormitory
- [22] **Gil Hodges Memorial Baseball Field**/Ruth-Fliggin Baseball Facility - men's baseball.
- [23] **Alumni Football Field** - football.
- [24] **Track Field** - men's and women's track.
- [25] **Tennis Courts** - men's and women's tennis.
- [26] **Richard F. Scharf Alumni Field House** - men's and women's basketball, women's volleyball, Athletic Director, coaches offices.
- [27] **Hanson Recreation Center** - intramural sports - basketball, racquetball, aerobics, baseball, tennis, track, Sports Information.
- [28] **Raleigh Hall** - varsity football, soccer and track offices, weight training room, Art Department and offices.
- [29] **Arts and Science Bldg.** - North-South wing - Music Department, Robinson Memorial Library, auditorium, computer laboratory East-West wing, physics, chemistry, biology, geology laboratories and classrooms.
- [30] **Merrlin Hall** - men's dormitory
- [31] **Dwenger Hall** - faculty offices.
- [32] **Reflection Pond**.
- [33] **Banet Core Education Center** - lecture halls, science lab, computer teaching classroom, Core classrooms, Vice President for Academic Affairs office, faculty offices.

